



**Rich-Haven Specific Plan, 2022
Amendment
AIR QUALITY IMPACT ANALYSIS
CITY OF ONTARIO**

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TABLE OF CONTENTS

TABLE OF CONTENTS	III
APPENDICES	IV
LIST OF EXHIBITS	IV
LIST OF TABLES	IV
LIST OF ABBREVIATED TERMS	VII
EXECUTIVE SUMMARY	1
ES.1 Summary of Findings.....	1
ES.2 Standard Regulatory Requirements.....	2
ES.3 Project Mitigation Measures.....	3
1 INTRODUCTION	10
1.1 Background and Project Description	10
2 AIR QUALITY SETTING	16
2.1 South Coast Air Basin	16
2.2 Regional Climate	16
2.3 Wind Patterns and Project Location	17
2.4 Criteria Pollutants	18
2.5 Existing Air Quality	25
2.6 Regional Air Quality	28
2.7 Local Air Quality	28
2.8 Regional Air Quality Improvement	29
3 REGULATORY BACKGROUND	41
3.1 Federal Regulations.....	41
3.2 California Regulations	41
4 SIGNIFICANCE THRESHOLDS	47
4.1 Regional Significance Thresholds.....	47
4.2 Localized Significance Thresholds.....	47
5 AIR QUALITY IMPACTS	54
5.1 Introduction	54
5.2 Methodology.....	54
5.3 Regional Construction Emissions.....	54
5.4 Regional Operational Emissions.....	59
5.5 Construction-Source Localized Emissions.....	65
5.6 Operational-Source Localized Emissions	66
5.7 CO “Hot Spot” Analysis	67
5.8 Air Quality Management Planning.....	69
5.9 Potential Impacts to Sensitive Receptors	71
5.11 Odors.....	72
5.12 Cumulative Impacts	73
6 REFERENCES	75
7 CERTIFICATIONS	79

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APPENDICES

APPENDIX 2.1: STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS
 APPENDIX 5.1: CALEEMOD CONSTRUCTION EMISSIONS MODEL OUTPUTS – WITHOUT MITIGATION
 APPENDIX 5.2: CALEEMOD CONSTRUCTION EMISSIONS MODEL OUTPUTS – WITH MITIGATION
 APPENDIX 5.3: CALEEMOD OPERATIONS EMISSIONS MODEL OUTPUTS
 APPENDIX 5.4: CALEEMOD OPERATIONS EMISSIONS MODEL OUTPUTS – LSTS
 APPENDIX 5.5: AERMOD LST MODELING OUTPUTS – CONSTRUCTION
 APPENDIX 5.6: AERMOD LST MODELING OUTPUTS - OPERATION

LIST OF EXHIBITS

EXHIBIT 1-A: LOCATION MAP 13
 EXHIBIT 1-B: LAND USE PLAN 14
 EXHIBIT 2-A: DPM AND DIESEL VEHICLE MILES TREND..... 38
 EXHIBIT 4-A: SENSITIVE RECEPTOR LOCATIONS 52

LIST OF TABLES

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS..... 1
 TABLE 1-1: PHASE 1 LAND USES..... 11
 TABLE 1-2: PHASE 2 LAND USES..... 12
 TABLE 2-1: CRITERIA POLLUTANTS 18
 TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (1 OF 2) 26
 TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (2 OF 2) 27
 TABLE 2-3: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SCAB 28
 TABLE 2-4: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2018-2020..... 29
 TABLE 2-5: SCAB O₃ TREND..... 31
 TABLE 2-6: SCAB AVERAGE 24-HOUR CONCENTRATION PM₁₀ TREND (BASED ON FEDERAL STANDARD)¹
 32
 TABLE 2-7: SCAB ANNUAL AVERAGE CONCENTRATION PM₁₀ TREND (BASED ON STATE STANDARD)¹. 33
 TABLE 2-8: SCAB 24-HOUR AVERAGE CONCENTRATION PM_{2.5} TREND (BASED ON FEDERAL STANDARD)¹
 33
 TABLE 2-9: SCAB ANNUAL AVERAGE CONCENTRATION PM_{2.5} TREND (BASED ON STATE STANDARD)¹. 34
 TABLE 2-10: SCAB 8-HOUR AVERAGE CONCENTRATION CO TREND¹ 35
 TABLE 2-11: SCAB 1-HOUR AVERAGE CONCENTRATION NO₂ TREND (BASED ON FEDERAL STANDARD)36
 TABLE 2-12: SCAB 1-HOUR AVERAGE CONCENTRATION NO₂ TREND (BASED ON STATE STANDARD) ... 36
 TABLE 4-1: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS..... 47
 TABLE 5-1: CONSTRUCTION SCHEDULE..... 56
 TABLE 5-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS..... 56
 TABLE 5-3: CONSTRUCTION TRIP ASSUMPTIONS 57
 TABLE 5-4: MAXIMUM DAILY CONSTRUCTION EMISSIONS – WITHOUT MITIGATION 58
 TABLE 5-5: MAXIMUM DAILY CONSTRUCTION EMISSIONS – WITH MITIGATION..... 59
 TABLE 5-6: PASSENGER CAR FLEET MIX 62
 TABLE 5-7: TRUCK FLEET MIX 62
 TABLE 5-8: SUMMARY OF PEAK OPERATIONAL EMISSIONS – PHASE 1 (2024)..... 64

TABLE 5-9: SUMMARY OF PEAK OPERATIONAL EMISSIONS – PROJECT BUILDOUT (2027) 65
TABLE 5-10: LOCALIZED SIGNIFICANCE SUMMARY – PEAK CONSTRUCTION (WITH MITIGATION)..... 66
TABLE 5-11: LOCALIZED SIGNIFICANCE SUMMARY – OPERATION (PROJECT BUILDOUT) 66
TABLE 5-12: CO MODEL RESULTS..... 67
TABLE 5-13: TRAFFIC VOLUMES..... 68
TABLE 5-14: OPENING YEAR CUMULATIVE (2027) WITH PROJECT TRAFFIC VOLUMES 69

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LIST OF ABBREVIATED TERMS

%	Percent
°F	Degrees Fahrenheit
(1)	Reference
µg/m ³	Microgram per Cubic Meter
<i>1992 CO Plan</i>	<i>1992 Federal Attainment Plan for Carbon Monoxide</i>
<i>1993 CEQA Handbook</i>	<i>SCAQMD's CEQA Air Quality Handbook (1993)</i>
<i>2003 AQMP</i>	<i>SCAQMD's 2003 Air Quality Management Plan</i>
<i>2016 AQMP</i>	<i>SCAQMD's Final 2019 Air Quality Management Plan</i>
<i>2016-2040 RTP/SCS</i>	<i>2016-2040 Regional Transportation Plan/Sustainable Communities Strategy</i>
AB 2595	California Clean Air Act
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
BAAQMD	Bay Area Air Quality Management District
BC	Black Carbon
C ₂ Cl ₄	Perchloroethylene
C ₄ H ₆	1,3-butadiene
C ₆ H ₆	Benzene
C ₂ H ₃ Cl	Vinyl Chloride
C ₂ H ₄ O	Acetaldehyde
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
<i>CEQA Guidelines</i>	<i>2019 CEQA Statute and Guidelines</i>
CH ₂ O	Formaldehyde
City	City of Ontario
CO	Carbon Monoxide
COH	Coefficient of Haze

COHb	Carboxyhemoglobin
Cr(VI)	Chromium
CTP	Clean Truck Program
Cr(VI)	Chromium
CRRC	Cool Roof Rating Council
CTP	Clean Truck Program
CY	Cubic Yards
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
EC	Elemental Carbon
EIR	Environmental Impact Reports
EMFAC	EMissions FACtor Model
EPA	Environmental Protection Agency
ETW	Equivalent Test Weight
EV	Electric Vehicles
g/L	Grams Per Liter
GHG	Greenhouse Gas
GVWR	Gross Vehicle Weight Rating
H ₂ S	Hydrogen Sulfide
HDT	Heavy Duty Trucks
HI	Hazard Index
HHDT	Heavy-Heavy-Duty Trucks
hp	Horsepower
ITE	Institute of Transportation Engineers
lbs	Pounds
lbs/day	Pounds Per Day
LDA	Light Duty Auto
LDT1/LDT2	Light-Duty Trucks
LHDT	Light-Heavy-Duty Trucks
LST	Localized Significance Threshold
<i>LST METHODOLOGY</i>	Final Localized Significance Threshold Methodology
MATES	Multiple Air Toxics Exposure Study
MDV	Medium-Duty Vehicles
MHDT	Medium-Heavy-Duty Trucks
MICR	Maximum Individual Cancer Risk
MM	Mitigation Measures
MW	Megawatt
MWEL0	California Department of Water Resources' Model Water

	Efficient
N ₂	Nitrogen
N ₂ O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NO	Nitric Oxide
NO ₂	Nitrogen Dioxide
NO _x	Nitrogen Oxides
O ₂	Oxygen
O ₃	Ozone
O ₂ Deficiency	Chronic Hypoxemia
OBD-II	On-Board Diagnostic
OPR	Office of Planning and Research
Pb	Lead
PM ₁₀	Particulate Matter 10 microns in diameter or less
PM _{2.5}	Particulate Matter 2.5 microns in diameter or less
POLA	Port of Los Angeles
POLB	Port of Long Beach
ppm	Parts Per Million
Project	Rich-Haven Specific Plan, 2022 Amendment
RECLAIM	Regional Clean Air Incentives Market
RFG-2	Reformulated Gasoline Regulation
ROG	Reactive Organic Gases
RTP	Regional Transportation Plan
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCAQMD Rule 403	Fugitive Dust
SCAQMD Rule 1113	Architectural Coating
SCS	Sustainable Communities Strategy
sf	Square Feet
SIPs	State Implementation Plans
SO ₂	Sulfur Dioxide
SO ₄	Sulfates
SO _x	Sulfur Oxides
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TAZ	Traffic Analysis Zone
TDM	Transportation Demand Management

TITLE I	Non-Attainment Provisions
TITLE II	Mobile Sources Provisions
TRU	Transport Refrigeration Unit
UFP	Ultra Fine Particles
UTRs	Utility Tractors
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
vph	Vehicles Per Hour

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this *Rich-Haven Specific Plan, 2022 Amendment Air Quality Impact Analysis* (AQIA) are summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the *California Environmental Quality Act (CEQA) Guidelines* (CEQA Guidelines) as implemented by the City (1). Table ES-1 shows the findings of significance for each potential air quality impact under CEQA before and after any required mitigation described below. It is noted here that the extent and degree of construction-source emissions is largely a byproduct of the construction schedule. The duration of Project construction activities would need to be protracted by an estimated additional 67 percent of the current Project construction schedule.¹ This may achieve the most restrictive construction-source emissions threshold [NO_x], but in so doing would only prolong the duration of air quality emissions, the duration of construction-source equipment noise, and the duration of general disturbances associated with construction activities. The Lead Agency has determined that the benefits of the Project's current construction schedule outweigh the potential benefit in a temporary decrease in air quality emissions that may be achieved through a protracted Project construction schedule. Moreover, accepted air quality modeling parameters do not provide for such an assumed extended construction period. Alternatively, in order to reduce Project construction-source air quality emissions to levels that would preclude exceedance of all SCAQMD thresholds would require use of construction equipment or construction technologies that are not currently available or that would be available in the near-term. In this regard, use of alternative fuel construction equipment, including electric-powered equipment, is not feasible at this time as such equipment is not commercially available, and is not expected to be in the near-term. For these reasons, there are no feasible means or alternatives to avoid this impact or reduce the impact to levels that would be less-than-significant.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings		
		Unmitigated	Mitigation Measure	Mitigated ¹
Regional Construction Emissions	5.3	<i>Potentially Significant</i> (VOCs, NO _x , and CO)	<i>MM AQ-1 through MM AQ-6</i>	<i>Significant and Unavoidable</i> (NO _x and CO)
Localized Construction Emissions	5.5	<i>Less Than Significant</i>	<i>n/a</i>	<i>n/a</i>
Regional Operational Emissions	5.4	<i>Potentially Significant</i>	<i>MM AQ-7 through</i>	<i>Significant and Unavoidable</i>

¹ Maximum daily construction-source NO_x emissions [mitigated] = 165.30 lbs/day. NO_x threshold = 55 lbs./day. Assuming roughly linear reduction necessary to meet threshold condition = $55/165.30 = 0.33$ of maximum daily NO_x emissions = 67 percent reduction in VOC emissions = 67 percent extension of Project construction schedule.

Analysis	Report Section	Significance Findings		
		Unmitigated	Mitigation Measure	Mitigated ¹
		(VOCs, NO _x , CO, PM ₁₀ , PM _{2.5})	MM AQ-20	(VOCs, NO _x , CO, PM ₁₀ , PM _{2.5})
Localized Operational Emissions	5.6	<i>Less Than Significant</i>	<i>n/a</i>	<i>n/a</i>
CO “Hot Spot” Analysis	5.7	<i>Less Than Significant</i>	<i>n/a</i>	<i>n/a</i>
Air Quality Management Plan	5.8	<i>Potentially Significant</i>	MM AQ-1 through MM AQ-20	<i>Significant and Unavoidable</i>
Regional Transportation Plan/ Sustainable Communities Strategy	5.9	<i>Less Than Significant</i>	<i>n/a</i>	<i>n/a</i>
Sensitive Receptors	5.10	<i>Less Than Significant</i>	<i>n/a</i>	<i>n/a</i>
Odors	5.11	<i>Less Than Significant</i>	<i>n/a</i>	<i>n/a</i>
Cumulative Impacts	5.12	<i>Potentially Significant</i>	MM AQ-1 through MM AQ-20	<i>Significant and Unavoidable</i>

ES.2 STANDARD REGULATORY REQUIREMENTS

There are numerous requirements that development projects must comply with by law, and that were put in place by federal, State, and local regulatory agencies for the improvement of air quality. Required by South Coast Air Quality Management District (SCAQMD) Rules, the two most pertinent regulatory requirements that apply during construction activity for the proposed Project include but are not limited to Rule 403 (Fugitive Dust) (2) and Rule 1113 (Architectural Coatings) (3). As such, credit for Rule 403 and Rule 1113 have been taken in the analysis.

SCAQMD RULE 401

A person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any 1 hour that is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the U.S. Bureau of Mines.

SCAQMD RULE 402

A person shall not discharge from any source whatsoever such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any such persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. The provisions of this rule do not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

SCAQMD RULE 403

This rule is intended to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (human-made) fugitive dust sources by requiring actions to prevent and reduce fugitive dust emissions. Rule 403 applies to any activity or human-made condition capable of generating fugitive dust and requires best available control measures to be applied to earth moving and grading activities.

SCAQMD RULE 445

The purpose of this rule is to reduce the amount of particulate matter from wood-burning devices, including stoves and fireplaces. In accordance with Rule 445, no wood-burning devices will be installed in any dwelling units.

SCAQMD RULE 1113

This rule serves to limit the Volatile Organic Compound (VOC) content of architectural coatings used on projects in the SCAQMD. Any person who supplies, sells, offers for sale, or manufactures any architectural coating for use on projects in the SCAQMD must comply with the current VOC standards set in this rule.

SCAQMD RULE 1301

This rule is intended to provide that pre-construction review requirements to ensure that new or relocated facilities do not interfere with progress in attainment of the National Ambient Air Quality Standards (NAAQS), while future economic growth within the SCAQMD is not unnecessarily restricted. The specific air quality goal is to achieve no net increases from new or modified permitted sources of nonattainment air contaminants or their precursors. Rule 1301 also limits emission increases of ammonia, and Ozone Depleting Compounds (ODCs) from new, modified or relocated facilities by requiring the use of Best Available Control Technology (BACT).

ES.3 PROJECT MITIGATION MEASURES

ES.3.1 CONSTRUCTION-SOURCE EMISSIONS MMS

Without mitigation, Project construction-source emissions would exceed SCAQMD regional criteria pollutant thresholds for VOC's, NOx and CO. The following mitigation measures shall be implemented as means of reducing construction-source emissions to the extent feasible. However, due to the large scale of the proposed Project, even with application of mitigation, Project construction-source emissions would exceed SCAQMD regional criteria pollutant thresholds for NOx and CO. These impacts are therefore significant and unavoidable.

MM AQ-1

Fugitive dust control measures that surpassing SCAQMD Rule 403 minimum requires shall be implemented. Such measures include: use of nontoxic soil stabilizers, applying water every four hours to active soil disturbing activities and tarping and/or maintaining a minimum of 24 inches of freeboard on trucks hauling dirt, sand, soil, or other loose materials.

MM AQ-2

Construction equipment rated by the United States Environmental Protection Agency as having Tier 3 or higher exhaust emission limits shall be utilized.

MM AQ-3

Construction equipment shall be properly serviced and maintained to the manufacturer's standards.

MM AQ-4

Nonessential idling of construction equipment shall be limited to no more than five consecutive minutes.

MM AQ-5

Super-Compliant VOC paints for coating of architectural surfaces shall be used whenever possible.

MM AQ-6

The construction contractor shall use off-road diesel construction equipment that complies with EPA/CARB Tier 4 Interim or better emissions standards during all construction phases.

ES.3.2 OPERATIONAL-SOURCE EMISSIONS MMS

Without mitigation, Project operational-source emissions would exceed SCAQMD regional criteria pollutant thresholds for VOC's, NO_x, CO, PM₁₀, and PM_{2.5}. The following mitigation measures shall be implemented as means of reducing operational-source emissions to the extent feasible. In California Emissions Estimator Model (CalEEMod), there is no way to meaningfully quantify potential emissions reductions that would result from application of the proposed mitigation. Therefore, no emissions reduction credit for mitigation has been taken in this analysis.

It is noted here that Project operational-source NO_x, CO, PM₁₀, and PM_{2.5} emissions exceedances are largely the product of traffic (mobile sources) accessing the Project site. Neither the Project Applicant nor the City have regulatory authority to control tailpipe emissions from these mobile sources. No feasible MMs beyond the measures identified herein exist that would reduce operational-source NO_x and CO emissions to levels that would be less-than-significant.

With regard to VOC emissions, it is recognized that approximately 50 percent of operational-source VOC emissions would be generated by on-site sources, including natural gas usage, consumer products, landscape equipment, gasoline dispensing, and onsite equipment usage associated with the industrial portion of the Project. Approximately 60% of onsite VOC emissions are generated through the use of consumer products by future residents and building users. As such, the Project applicant cannot meaningfully control the use of consumer products through mitigation.

The following measures (MM AQ-7 through MM AQ-20) are designed to reduce Project operational-source criteria pollutant emissions exceedances noted above. These measures would also act to reduce Project operational-source criteria pollutant emissions generally. Even with application of MM AQ-7 through MM AQ-20, Project operational-source emissions impacts (CO, NO_x, and VOC) would be significant and unavoidable.

MM AQ-7

Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable CARB anti-idling regulations. At a minimum, each sign shall include: 1) instructions for truck drivers to shut off engines when not in use; 2) instructions for drivers of diesel trucks to restrict idling to no more than five (5) minutes once the vehicle is stopped, the transmission is set to "neutral" or "park," and the parking brake is engaged; and 3) telephone numbers of the building facilities manager and the CARB to report violations. Prior to the issuance of an occupancy permit, the City shall conduct a site inspection to ensure that the signs are in place.

MM AQ-8

Prior to tenant occupancy, the Project Applicant or successor(s) in interest shall provide documentation to the City demonstrating that occupants/tenants of the Project site have been provided documentation on funding opportunities, such as the Carl Moyer Program, that provide incentives for using cleaner-than-required engines and equipment.

MM AQ-9

Prior to the issuing of each building permit, the Project Applicant, successor(s) in interest, and contractors shall provide plans and specifications to the City that demonstrate that each project building is designed for passive heating and cooling and is designed to include natural light. Features designed to achieve this shall include the proper placement of windows, overhangs, and skylights.

MM AQ-10

Prior to the issuing of each building permit, the Project Applicant, successor(s) in interest, and contractors shall provide plans and specifications to the City that demonstrate that electrical service is provided to each of the areas in the vicinity of the building that are to be landscaped in order that electrical equipment may be used for landscape maintenance.

MM AQ-11

Once constructed, the Project Applicant, successor(s) in interest shall ensure that all building tenants shall utilize electric equipment for landscape maintenance to the extent feasible, through requirements in the lease agreements.

MM AQ-12

Once constructed, through requirements in the lease agreements, the Project Applicant or successors in interest shall ensure that all building tenants shall utilize only electric or natural gas service yard trucks (hostlers), pallet jacks and forklifts, and other onsite equipment, through requirements in the lease agreements. Electric-powered service yard trucks (hostlers), pallet

jacks and forklifts, and other onsite equipment shall also be required instead of diesel-powered equipment, if technically feasible. Yard trucks may be diesel fueled in lieu of electrically or natural gas fueled provided such yard trucks are at least compliant with California Air Resources Board (CARB) 2010 standards for on-road vehicles or CARB Tier 4 compliant for off-road vehicles.

MM AQ-13

Through requirements in the lease agreements, tenants that do not already operate 2010 and newer trucks shall apply in good faith for funding to replace/retrofit their trucks. Funding mechanisms include Carl Moyer, VIP, Prop 1B, SmartWay Finance, or other similar funds. If awarded, the tenant shall be required to accept and use the funding. Tenants shall be encouraged to consider the use of alternative fueled trucks as well as new or retrofitted diesel trucks. Tenants shall also be encouraged to become SmartWay Partners, if eligible. This measure shall not apply to trucks that are not owned or operated by the facility operator or facility tenants since it would be infeasible to prohibit access to the site by any truck that is otherwise legal to operate on California roads and highways.

MM AQ-14

Through requirements in the lease agreements, tenants who employ 250 or more employees on a full- or part-time basis shall comply with SCAQMD Rule 2202, On-Road Motor Vehicle Mitigation Options. The purpose of this rule is to provide employees with a menu of options to reduce employee commute vehicle emissions. Tenants with less than 250 employees or tenants with 250 or more employees who are exempt from SCAQMD Rule 2202 (as stated in the Rule) shall either (a) join with a tenant who is implementing a program in accordance with Rule 2202 or (b) implement an emission reduction program similar to Rule 2202 with annual reporting of actions and results to the City. The tenant-implemented program would include, but not be limited to the following:

- Appoint a Transportation Demand Management (TDM) coordinator who would promote the TDM program, activities and features to all employees.
- Create and maintain a “commuter club” to manage subsidies or incentives for employees who carpool, vanpool, bicycle, walk, or take transit to work.
- Inform employees of public transit and commuting services available to them (e.g., social media, signage).
- Provide on-site transit pass sales and discounted transit passes.
- Guarantee a ride home.
- Offer shuttle service to and from public transit and commercial areas/food establishments, if warranted.

MM AQ-15

Prior to the issuance of a building permit, the Project Applicant or successor(s) in interest shall provide evidence to the City that loading docks are designed to be compatible with SmartWay trucks.

MM AQ-16

Upon occupancy and annually thereafter, the Project Applicant or successor(s) in interest shall provide the following information to all tenants:

- Building energy efficiency, solid waste reduction, recycling, and water conservation.
- Vehicle GHG emissions, electric vehicle charging availability, and alternate transportation opportunities for commuting.
- Participation in the Voluntary Interindustry Commerce Solutions (VICS) “Empty Miles” program to improve goods trucking efficiencies.
- Health effects of diesel particulates, State regulations limiting truck idling time, and the benefits of minimized idling.
- The importance of minimizing traffic, noise, and air pollutant impacts to any residences in the Project vicinity.
-

Tenants shall ensure that the above information is provided to employees and truck drivers as appropriate.

MM AQ-17

Prior to issuance of a building permit, the Project Applicant or successor(s) in interest shall provide the City with an onsite signage program that clearly identifies the required onsite circulation system. This shall be accomplished through posted signs and painting on driveways and internal roadways.

MM AQ-18

Prior to issuance of an occupancy permit, the City shall confirm that signs clearly identifying approved trucks have been installed along any truck routes to and from the project site.

MM AQ-19

Prior to issuance of an occupancy permit(s) for commercial/retail/industrial tenants, tenants shall install (a) sign(s) on their respective property(ies) with telephone, email, and regular mail contact information for a designated tenant representative (representative) who would receive complaints about excessive noise, dust, fumes, or odors. The sign shall also identify contact data for the City for perceived Code violations. The representative shall keep records of any complaints received and actions taken to communicate with the complainant and resolve the complaint. The representative shall endeavor to resolve complaints within 24 hours.

MM AQ-20

Prior to issuance of a building permit for the Project industrial uses, the Project Applicant or successor(s) in interest shall provide the City with site and building specifications, drawings, and calculations that demonstrate that main electrical supply lines and panels have been sized to

support heavy truck charging facilities when these trucks become available. The calculations shall be based on reasonable predictions from currently available truck manufacturer's data.

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1 INTRODUCTION

This report presents the results of the AQIA prepared by Urban Crossroads, Inc., for the proposed Rich-Haven Specific Plan, 2022 Amendment (2022 Specific Plan Amendment, Project). The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the Project and recommend measures to mitigate impacts considered potentially significant in comparison to thresholds established by the SCAQMD.

1.1 BACKGROUND AND PROJECT DESCRIPTION

The Rich-Haven Specific Plan (RHSP) was approved by the City of Ontario in 2015, with subsequent Specific Plan Amendments approved in 2016, 2018, and 2021. The current (2021) Rich-Haven Specific Plan (“2021 Specific Plan”) comprises approximately 584 acres located west of Interstate 15 (I-15), and south of State Route 60 (SR-60). The 2021 Specific Plan Area lies within the 8,200-acre Ontario Ranch area, bounded generally by Riverside Drive to the north, “Old” East Edison Avenue [alignment] to the south, Mill Creek Avenue and Hamner Avenue to the east, and Haven Avenue to the west. The location and boundaries of the 2022 RHSP Specific Plan Amendment evaluated herein coincide with the location and boundaries in the 2021 Specific Plan. The location of the Project is presented at Exhibit 1-A.

The 2021 Specific Plan entitlements allow for development of up to 7,194 dwelling units (all residential types), up to 990,902 square feet of commercial/office space, up to 1,183,525 square feet of light industrial uses, approximately 27 acres of public parkland, and approximately 20 acres of Southern California Edison (SCE) Parcel open space and SCE Easements. The 2022 RHSP Specific Plan Amendment (2022 Specific Plan Amendment, Project) evaluated proposes a new amendment of the RHSP as described herein.

Under the proposed 2022 RHSP Specific Plan Amendment, the Specific Plan Area would be developed with up to 7,194 dwelling units, up to 925,002 square feet of commercial space, and up to 2,767,148 square feet of light industrial uses. Other existing RHSP land uses, e.g., public parkland, Southern California Edison (SCE) Parcel open space and SCE Easements would not be substantively affected under the 2022 RHSP Specific Plan Amendment. This EIR evaluates potential environmental impacts of entire buildout of the Specific Plan Area that would result from the 2022 RHSP Specific Plan Amendment.

In summary, the proposed 2022 Specific Plan Amendment would result in the following primary revisions to the 2021 Specific Plan:

1. Total residential development within the Specific Plan Area would be maintained at 7,194 dwelling units. Residential units and residential densities would however be reassigned within the Specific Plan Area.
2. Total commercial development would be reduced by approximately 65,900 square feet, an approximate 6.7 percent reduction in the 2021 Specific Plan commercial entitlements.
3. Total light industrial development would be increased by approximately 1,583,623 square feet, an approximate 134 percent increase from the 2021 Specific Plan Amendment.

Other aspects and attributes of the 2021 Specific Plan would be substantively maintained under the proposed 2022 Specific Plan Amendment.

Note that portions of Planning Areas 3A and 4A within the Project site have been developed. Planning Areas 2, 3, 4A, 5C, 6, 10, and portions of 7, 8, and 9 are anticipated to be developed as part of the first phase with an anticipated Opening Year of 2024. Project Buildout and of Phase 2 is anticipated in Year 2027. Project Planning Areas and Phases are illustrated at Exhibit 1-B.

Table 1-1 presents the land uses that were assumed to be developed as part of Phase 1.

TABLE 1-1: PHASE 1 LAND USES

Land Use	Qty	Units
Business Park	316.725	TSF
High-Cube Cold Storage	454.244	TSF
High-Cube Fulfillment	1,404.417	TSF
High-Cube Transload	591.763	TSF
Multifamily (Low Rise) Residential	3,289	DU
Single Family Detached Residential	822	DU
Public Park	1.3	AC
Strip Retail	7.500	TSF
Gasoline Station	48	VFP
Shopping Center	162.137	TSF
High Turnover Restaurant	32.427	TSF
Fast Food Restaurant w/Drive Through	21.618	TSF

TSF = Thousand Square Feet
 DU = Dwelling Units
 AC = Acre
 VFP = Vehicle Fueling Position

Table 1-2 presents the land uses that would be developed as part of Phase 2.

TABLE 1-2: PHASE 2 LAND USES

Land Use	Qty	Units
Multifamily (Low Rise) Residential	2,000	DU
Single Family Detached Residential	603	DU
Public Park	27	AC
Gasoline Station	48	VFP
Shopping Center	525.990	TSF
High Turnover Restaurant	105.198	TSF
Fast Food Restaurant w/Drive Through	70.132	TSF

TSF = Thousand Square Feet
 DU = Dwelling Units
 AC = Acre
 VFP = Vehicle Fueling Position

According to the *Rich-Haven Specific Plan, 2022 Amendment Traffic Analysis*, at buildout following the development of Phases 1 and 2, the proposed Project is anticipated to generate a total of 95,552 two-way vehicle trips per day including 94,408 two-way passenger vehicle trips and 1,144 two-way truck trips per day (in actual vehicles) (4).

EXHIBIT 1-A: LOCATION MAP

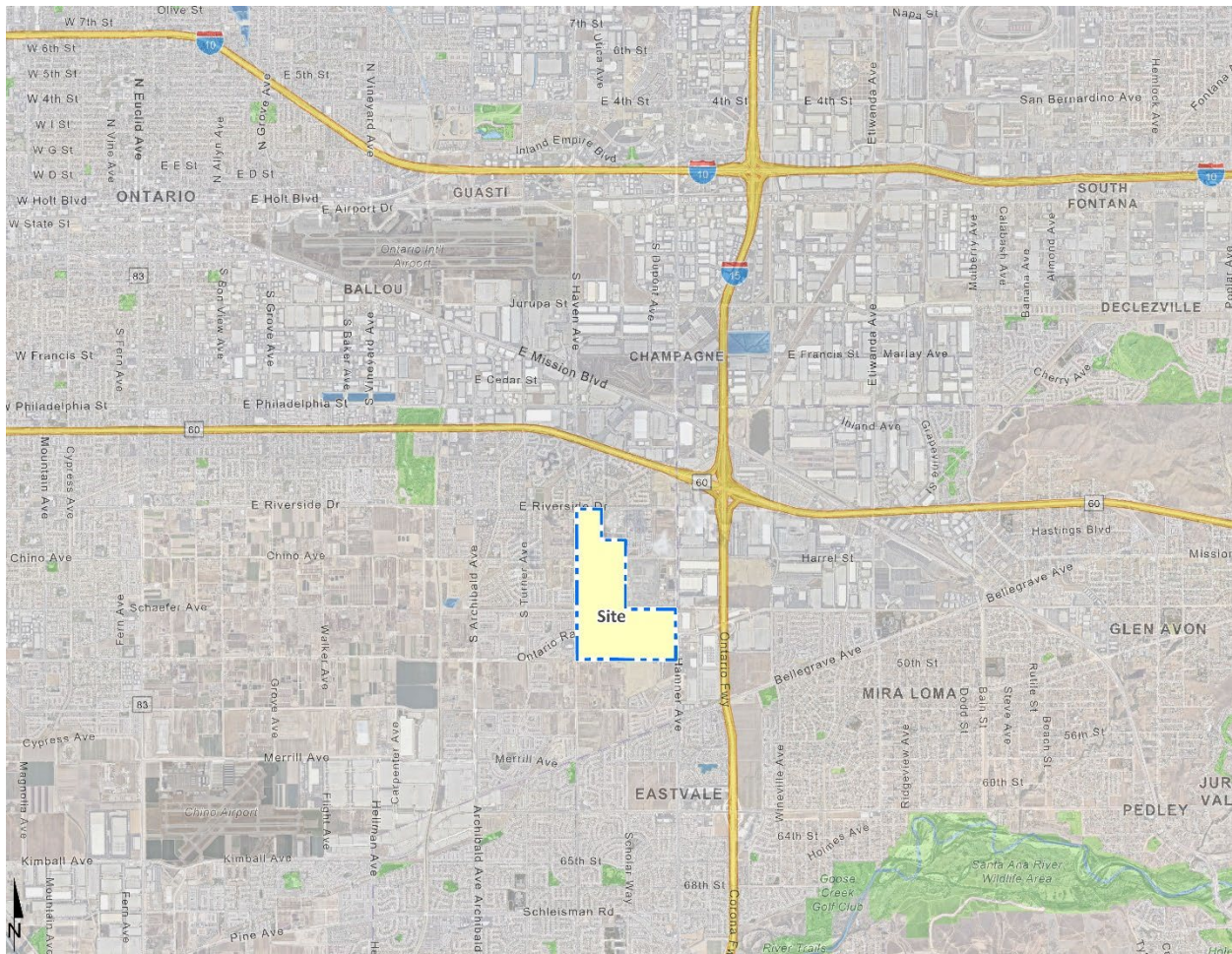
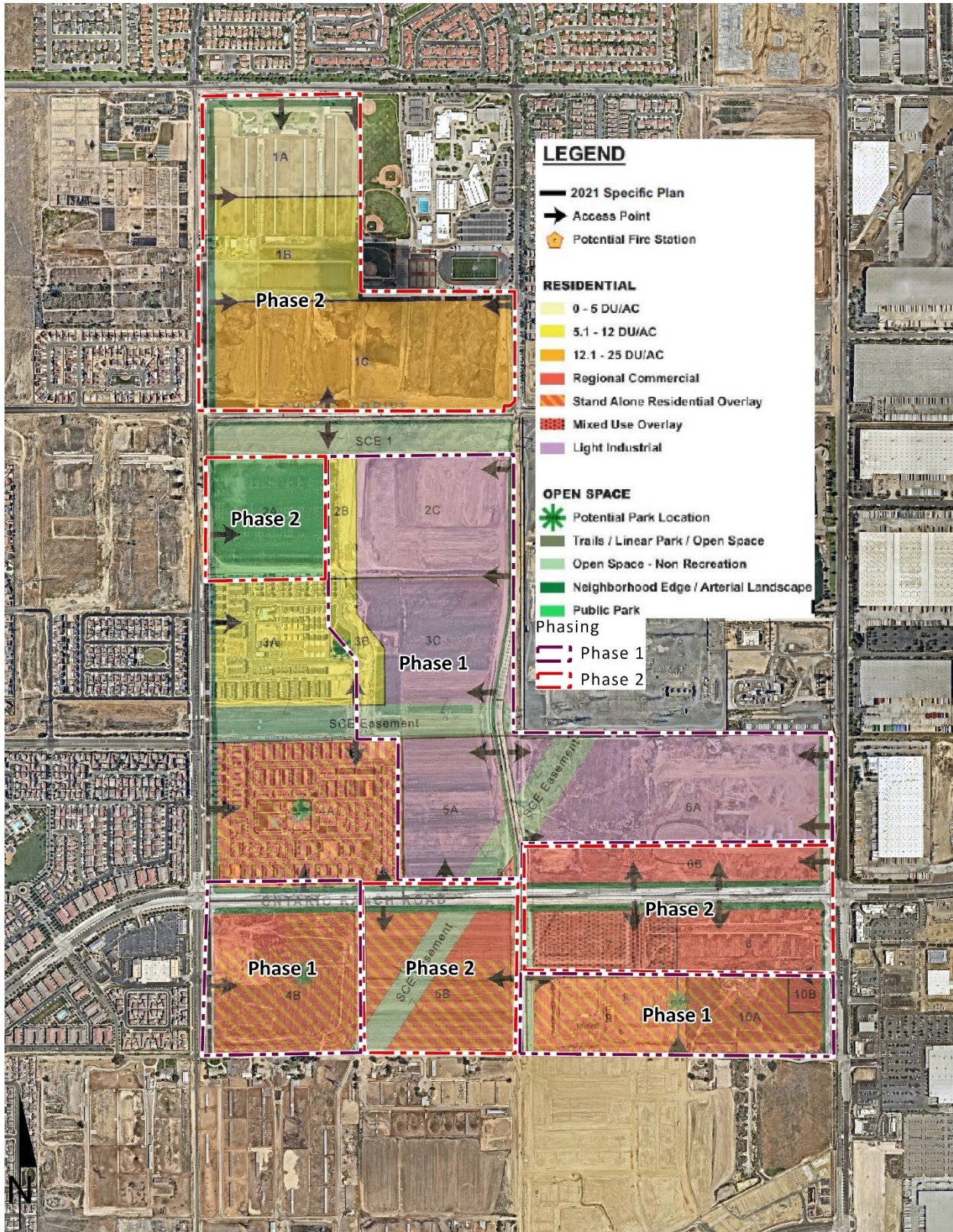


EXHIBIT 1-B: LAND USE PLAN



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2 AIR QUALITY SETTING

This section provides an overview of the existing air quality conditions in the Project area and region.

2.1 SOUTH COAST AIR BASIN

The Project site is located in the South Coast Air Basin (SCAB) within the jurisdiction of SCAQMD (5). The SCAQMD was created by the 1977 Lewis-Presley Air Quality Management Act, which merged four county air pollution control bodies into one regional district. Under the Act, the SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards. As previously stated, the Project site is located within the SCAB, a 6,745-square mile subregion of the SCAQMD, which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County.

The SCAB is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east, and the San Diego Air Basin to the south.

2.2 REGIONAL CLIMATE

The regional climate has a substantial influence on air quality in the SCAB. In addition, the temperature, wind, humidity, precipitation, and amount of sunshine influence the air quality.

The annual average temperatures throughout the SCAB vary from the low to middle 60s degrees Fahrenheit (°F). Due to a decreased marine influence, the eastern portion of the SCAB shows greater variability in average annual minimum and maximum temperatures. January is the coldest month throughout the SCAB, with average minimum temperatures of 47°F in downtown Los Angeles and 36°F in San Bernardino. All portions of the SCAB have recorded maximum temperatures above 100°F.

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide (SO₂) to sulfates (SO₄) is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71 percent (%) along the coast and 59% inland. Since the ocean effect is dominant, periods of heavy early morning fog are frequent and low stratus clouds are a characteristic feature. These effects decrease with distance from the coast.

More than 90% of the SCAB's rainfall occurs from November through April. The annual average rainfall varies from approximately nine inches in Riverside to fourteen inches in downtown Los Angeles. Monthly and yearly rainfall totals are extremely variable. Summer rainfall usually consists of widely scattered thunderstorms near the coast and slightly heavier shower activity in the eastern portion of the SCAB with frequency being higher near the coast.

Due to its generally clear weather, about three-quarters of available sunshine is received in the SCAB. The remaining one-quarter is absorbed by clouds. The ultraviolet portion of this abundant radiation is a key factor in photochemical reactions. On the shortest day of the year, there are approximately 10 hours of possible sunshine, and on the longest day of the year, there are approximately 14½ hours of possible sunshine.

The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of the air pollutants. During the late autumn to early spring rainy season, the SCAB is subjected to wind flows associated with the traveling storms moving through the region from the northwest. This period also brings five to ten periods of strong, dry offshore winds, locally termed “Santa Anas” each year. During the dry season, which coincides with the months of maximum photochemical smog concentrations, the wind flow is bimodal, typified by a daytime onshore sea breeze and a nighttime offshore drainage wind. Summer wind flows are created by the pressure differences between the relatively cold ocean and the unevenly heated and cooled land surfaces that modify the general northwesterly wind circulation over southern California. Nighttime drainage begins with the radiational cooling of the mountain slopes. Heavy, cool air descends the slopes and flows through the mountain passes and canyons as it follows the lowering terrain toward the ocean. Another characteristic wind regime in the SCAB is the “Catalina Eddy,” a low level cyclonic (counterclockwise) flow centered over Santa Catalina Island which results in an offshore flow to the southwest. On most spring and summer days, some indication of an eddy is apparent in coastal sections.

In the SCAB, there are two distinct temperature inversion structures that control vertical mixing of air pollution. During the summer, warm high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. This boundary prevents vertical mixing which effectively acts as an impervious lid to pollutants over the entire SCAB. The mixing height for the inversion structure is normally situated 1,000 to 1,500 feet above mean sea level.

A second inversion-type forms in conjunction with the drainage of cool air off the surrounding mountains at night followed by the seaward drift of this pool of cool air. The top of this layer forms a sharp boundary with the warmer air aloft and creates nocturnal radiation inversions. These inversions occur primarily in the winter, when nights are longer and onshore flow is weakest. They are typically only a few hundred feet above mean sea level. These inversions effectively trap pollutants, such as nitrogen oxides (NO_x) and carbon monoxide (CO) from vehicles, as the pool of cool air drifts seaward. Winter is therefore a period of high levels of primary pollutants along the coastline.

2.3 WIND PATTERNS AND PROJECT LOCATION

The distinctive climate of the Project area and the SCAB is determined by its terrain and geographical location. The SCAB is located in a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean in the southwest quadrant with high mountains forming the remainder of the perimeter.

Wind patterns across the south coastal region are characterized by westerly and southwesterly onshore winds during the day and easterly or northeasterly breezes at night. Winds are characteristically light although the speed is somewhat greater during the dry summer months than during the rainy winter season.

2.4 CRITERIA POLLUTANTS

Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and health effects are identified below (6):

TABLE 2-1: CRITERIA POLLUTANTS

Criteria Pollutant	Description	Sources	Health Effects
CO	CO is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone (O ₃), motor vehicles operating at slow speeds are the primary source of CO in the SCAB. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen (O ₂) supply to the heart. Inhaled CO has no direct toxic effect on the lungs but exerts its effect on tissues by interfering with O ₂ transport and competing with O ₂ to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for O ₂ supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (O ₂ deficiency) as seen at high altitudes.
SO ₂	SO ₂ is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant	Coal or oil burning power plants and industries,	A few minutes of exposure to low levels of SO ₂ can result in airway constriction in some

Criteria Pollutant	Description	Sources	Health Effects
	<p>mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO₂ oxidizes in the atmosphere, it forms SO₄. Collectively, these pollutants are referred to as sulfur oxides (SO_x).</p>	<p>refineries, diesel engines</p>	<p>asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO₂. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO₂.</p> <p>Animal studies suggest that despite SO₂ being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract.</p> <p>Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO₂ levels. In these studies, efforts to separate the effects of SO₂ from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically, or one pollutant alone is the predominant factor.</p>
NO _x	<p>NO_x consist of nitric oxide (NO), nitrogen dioxide (NO₂) and nitrous oxide (N₂O) and are formed when nitrogen (N₂) combines with O₂. Their lifespan in the atmosphere ranges from</p>	<p>Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming</p>	<p>Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is</p>

Criteria Pollutant	Description	Sources	Health Effects
	<p>one to seven days for nitric oxide and nitrogen dioxide, to 170 years for nitrous oxide. NO_x is typically created during combustion processes and are major contributors to smog formation and acid deposition. NO₂ is a criteria air pollutant and may result in numerous adverse health effects; it absorbs blue light, resulting in a brownish-red cast to the atmosphere and reduced visibility. Of the seven types of nitrogen oxide compounds, NO₂ is the most abundant in the atmosphere. As ambient concentrations of NO₂ are related to traffic density, commuters in heavy traffic may be exposed to higher concentrations of NO₂ than those indicated by regional monitoring station.</p>	<p>equipment and residential heating.</p>	<p>associated with long-term exposure to NO₂ at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO₂ in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups.</p> <p>In animals, exposure to levels of NO₂ considerably higher than ambient concentrations result in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of O₃ exposure increases when animals are exposed to a combination of O₃ and NO₂.</p>
O ₃	<p>O₃ is a highly reactive and unstable gas that is formed when VOCs and NO_x, both byproducts of internal combustion engine exhaust, undergo slow photochemical reactions in the presence of sunlight. O₃ concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.</p>	<p>Formed when reactive organic gases (ROG) and NO_x react in the presence of sunlight. ROG sources include any source that burns fuels, (e.g., gasoline, natural gas, wood, oil) solvents, petroleum processing and</p>	<p>Individuals exercising outdoors, children, and people with preexisting lung disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible sub-groups for O₃ effects. Short-term exposure (lasting for a few hours) to O₃ at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased</p>

Criteria Pollutant	Description	Sources	Health Effects
		storage and pesticides.	<p>susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated O₃ levels are associated with increased school absences. In recent years, a correlation between elevated ambient O₃ levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple outdoor sports and live in communities with high O₃ levels.</p> <p>O₃ exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes O₃ may be more toxic than exposure to O₃ alone. Although lung volume and resistance changes observed after a single exposure diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.</p>
Particulate Matter	PM ₁₀ : A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. Particulate matter pollution is a major cause of reduce visibility (haze) which is caused by the scattering of light and consequently the significant reduction air clarity. The size of the particles (10 microns or smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they may be	Sources of PM ₁₀ include road dust, windblown dust and construction. Also formed from other pollutants (acid rain, NO _x , SO _x , organics). Incomplete combustion of any fuel. PM _{2.5} comes from	A consistent correlation between elevated ambient fine particulate matter (PM ₁₀ and PM _{2.5}) levels and an increase in mortality rates, respiratory infections, number and severity of asthma attacks and the number of hospital admissions has been observed in different parts of the United States and various areas around the world. In

Criteria Pollutant	Description	Sources	Health Effects
	<p>deposited, resulting in adverse health effects. Additionally, it should be noted that PM₁₀ is considered a criteria air pollutant.</p> <p>PM_{2.5}: A similar air pollutant to PM₁₀ consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include SO₄ formed from SO₂ release from power plants and industrial facilities and nitrates that are formed from NO_x release from power plants, automobiles, and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and weather conditions. PM_{2.5} is a criteria air pollutant.</p>	<p>fuel combustion in motor vehicles, equipment, and industrial sources, residential and agricultural burning. Also formed from reaction of other pollutants (acid rain, NO_x, SO_x, organics).</p>	<p>recent years, some studies have reported an association between long-term exposure to air pollution dominated by fine particles and increased mortality, reduction in lifespan, and an increased mortality from lung cancer.</p> <p>Daily fluctuations in PM_{2.5} concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in normal children, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with long term exposure to particulate matter.</p> <p>The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM₁₀ and PM_{2.5}.</p>
VOC	<p>VOCs are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic compounds) have different levels of reactivity; that is, they do not react at the same speed or do not form O₃ to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the</p>	<p>Organic chemicals are widely used as ingredients in household products. Paints, varnishes, and wax all contain organic solvents, as do many cleaning, disinfecting, cosmetic, degreasing and hobby products. Fuels are made up of organic chemicals. All of these products can release organic</p>	<p>Breathing VOCs can irritate the eyes, nose, and throat, can cause difficulty breathing and nausea, and can damage the central nervous system as well as other organs. Some VOCs can cause cancer. Not all VOCs have all these health effects, though many have several.</p>

Criteria Pollutant	Description	Sources	Health Effects
	<p>solvents used in paints. Exceptions to the VOC designation include CO, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate. VOCs are a criteria pollutant since they are a precursor to O₃, which is a criteria pollutant. The terms VOC and ROG (see below) interchangeably.</p>	<p>compounds while you are using them, and, to some degree, when they are stored.</p>	
<p>ROG</p>	<p>Similar to VOC, ROGs are also precursors in forming O₃ and consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. Smog is formed when ROG and NO_x react in the presence of sunlight. ROGs are a criteria pollutant since they are a precursor to O₃, which is a criteria pollutant. The terms ROG and VOC (see previous) interchangeably.</p>	<p>Sources similar to VOCs.</p>	<p>Health effects similar to VOCs.</p>
<p>Lead (Pb)</p>	<p>Pb is a heavy metal that is highly persistent in the environment and is considered a criteria pollutant. In the past, the primary source of Pb in the air was emissions from vehicles burning leaded gasoline. The major sources of Pb emissions are ore and metals processing, particularly Pb smelters, and piston-engine aircraft operating on leaded aviation gasoline. Other stationary sources include waste incinerators, utilities, and lead-acid battery manufacturers. It should be noted that the Project does not include operational activities such as metal processing or Pb acid battery manufacturing. As such, the Project is not anticipated to</p>	<p>Metal smelters, resource recovery, leaded gasoline, deterioration of Pb paint.</p>	<p>Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are associated with increased blood pressure.</p> <p>Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the respiratory system. Pb can be</p>

Criteria Pollutant	Description	Sources	Health Effects
	generate a quantifiable amount of Pb emissions.		stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous environmental Pb exposure of their mothers.
Odor	Odor means the perception experienced by a person when one or more chemical substances in the air come into contact with the human olfactory nerves (7).	Odors can come from many sources including animals, human activities, industry, natures, and vehicles.	Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. Second, studies have shown that the VOCs that cause odors can stimulate sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.

2.5 EXISTING AIR QUALITY

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality is evaluated in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect are shown in Table 2-2 (8).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards. At the time of this AQIA, the most recent state and federal standards were updated by CARB on May ,4 2016 and are presented in Table 2-2. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O₃, CO (except 8-hour Lake Tahoe), SO₂ (1 and 24 hour), NO₂, PM₁₀, and PM_{2.5} are not to be exceeded. All others are not to be equaled or exceeded. It should be noted that the three-year period is presented for informational purposes and is not the basis for how the State assigns attainment status. Attainment status for a pollutant means that the SCAQMD meets the standards set by the EPA or the California EPA (CalEPA). Conversely, nonattainment means that an area has monitored air quality that does not meet the NAAQS or CAAQS standards. In order to improve air quality in nonattainment areas, a State Implementation Plan (SIP) is drafted by CARB. The SIP outlines the measures that the state will take to improve air quality. Once nonattainment areas meet the standards and additional redesignation requirements, the EPA will designate the area as a maintenance area (9).

TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (1 OF 2)

Ambient Air Quality Standards							
Pollutant	Averaging Time	California Standards ¹		National Standards ²			
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷	
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry	
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)			
Respirable Particulate Matter (PM ₁₀) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis	
	Annual Arithmetic Mean	20 µg/m ³		—			
Fine Particulate Matter (PM _{2.5}) ⁹	24 Hour	—	—	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis	
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³			15 µg/m ³
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	—	Non-Dispersive Infrared Photometry (NDIR)	
	8 Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)			
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—			
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	—	Gas Phase Chemiluminescence	
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)			Same as Primary Standard
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	—	Ultraviolet Fluorescence; Spectrophotometry (Parosanaline Method)	
	3 Hour	—		—			0.5 ppm (1300 µg/m ³)
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹			—
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹¹			—
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption	
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹²			Same as Primary Standard
	Rolling 3-Month Average	—		0.15 µg/m ³			
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards			
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography				
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence				
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography				

See footnotes on next page ...

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California Air Resources Board (5/4/16)

TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (2 OF 2)

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above $150 \mu\text{g}/\text{m}^3$ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from $15 \mu\text{g}/\text{m}^3$ to $12.0 \mu\text{g}/\text{m}^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at $35 \mu\text{g}/\text{m}^3$, as was the annual secondary standard of $15 \mu\text{g}/\text{m}^3$. The existing 24-hour PM10 standards (primary and secondary) of $150 \mu\text{g}/\text{m}^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ($1.5 \mu\text{g}/\text{m}^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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California Air Resources Board (5/4/16)

2.6 REGIONAL AIR QUALITY

Air pollution contributes to a wide variety of adverse health effects. The EPA has established NAAQS for six of the most common air pollutants: CO, Pb, O₃, particulate matter (PM₁₀ and PM_{2.5}), NO₂, and SO₂ which are known as criteria pollutants. The SCAQMD monitors levels of various criteria pollutants at 37 permanent monitoring stations and 5 single-pollutant source Pb air monitoring sites throughout the air district (10). On January 5, 2021, CARB posted the 2020 amendments to the state and national area designations. See Table 2-3 for attainment designations for the SCAB (11). Appendix 2.1 provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the SCAB.

TABLE 2-3: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SCAB

Criteria Pollutant	State Designation	Federal Designation
O ₃ – 1-hour standard	Nonattainment	--
O ₃ – 8-hour standard	Nonattainment	Nonattainment
PM ₁₀	Nonattainment	Attainment
PM _{2.5}	Nonattainment	Nonattainment
CO	Attainment	Unclassifiable/Attainment
NO ₂	Attainment	Unclassifiable/Attainment
SO ₂	Attainment	Unclassifiable/Attainment
Pb ²	Attainment	Unclassifiable/Attainment

Note: See Appendix 2.1 for a detailed map of State/National Area Designations within the SCAB
 "--" = The national 1-hour O₃ standard was revoked effective June 15, 2005.

2.7 LOCAL AIR QUALITY

The SCAQMD has designated general forecast areas and air monitoring areas (referred to as Source Receptor Areas [SRA]) throughout the district in order to provide Southern California residents about the air quality conditions. The Project site is located within the Southwest San Bernardino Valley area (SRA 33). The CA-60 Near Road monitoring station is located 2.52 miles northwest of the Project site and is the nearest long-term air quality monitoring site for NO₂ and PM_{2.5}. The SCAQMD I-10 Near Road monitoring station is located 4.24 miles northeast of the Project site and is the next nearest monitoring site within SRA 33. The I-10 Near Road monitoring station provides data for CO. Relative to the Project site, the nearest long-term air quality monitoring site for O₃ and PM₁₀ is the SCAQMD Northwest San Bernardino Valley (SRA 32) monitoring station located 7.17 miles northwest of the Project site. It should be noted that the Northwest San Bernardino Valley monitoring station was utilized in lieu of the CA-60 Near Road and I-10 Near Road monitoring stations only in instances where data was not available.

The most recent three (3) years of data available are shown on Table 2-4 and identifies the number of days ambient air quality standards were exceeded for the study area, which is

² The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB.

considered to be representative of the local air quality at the Project Site. Data for O₃, CO, NO₂, PM₁₀, and PM_{2.5} for 2018 through 2020 was obtained from the SCAQMD Air Quality Data Tables (12). Additionally, data for SO₂ has been omitted as attainment is regularly met in the SCAB and few monitoring stations measure SO₂ concentrations.

TABLE 2-4: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2018-2020

Pollutant	Standard	Year		
		2018	2019	2020
O ₃				
Maximum Federal 1-Hour Concentration (ppm)		0.133	0.131	0.158
Maximum Federal 8-Hour Concentration (ppm)		0.111	0.107	0.123
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	25	31	82
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	52	52	114
CO				
Maximum Federal 1-Hour Concentration	> 35 ppm	1.6	1.5	1.5
Maximum Federal 8-Hour Concentration	> 20 ppm	1.3	1.1	1.2
NO ₂				
Maximum Federal 1-Hour Concentration	> 0.100 ppm	0.079	0.087	0.101
Annual Average		0.030	0.029	0.029
PM ₁₀				
Maximum Federal 24-Hour Concentration (µg/m ³)	> 150 µg/m ³	73	125	63
Annual Federal Arithmetic Mean (µg/m ³)		32.3	28.1	30.5
Number of Days Exceeding Federal 24-Hour Standard	> 150 µg/m ³	0	0	0
Number of Days Exceeding State 24-Hour Standard	> 50 µg/m ³	14	7	12
PM _{2.5}				
Maximum Federal 24-Hour Concentration (µg/m ³)	> 35 µg/m ³	47.90	41.30	53.10
Annual Federal Arithmetic Mean (µg/m ³)	> 12 µg/m ³	14.31	12.70	14.36
Number of Days Exceeding Federal 24-Hour Standard	> 35 µg/m ³	5	5	4

ppm = Parts Per Million

µg/m³ = Microgram per Cubic Meter

Source: Data for O₃, CO, NO₂, PM₁₀, and PM_{2.5} was obtained from SCAQMD Air Quality Data Tables.

2.8 REGIONAL AIR QUALITY IMPROVEMENT

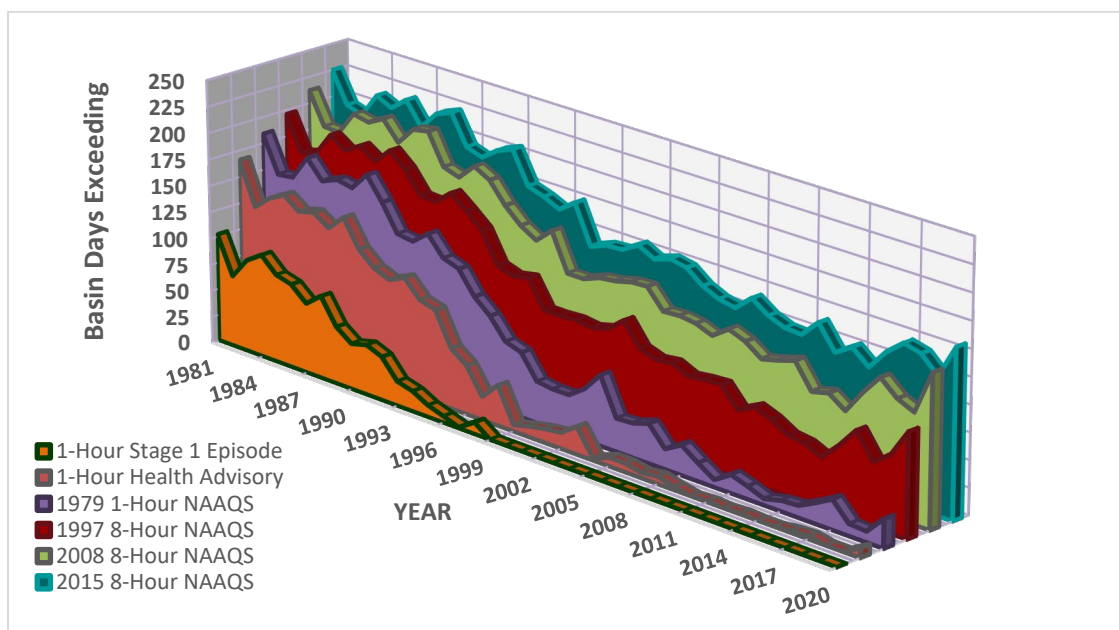
The Project is within the jurisdiction of the SCAQMD. In 1976, California adopted the Lewis Air Quality Management Act which created SCAQMD from a voluntary association of air pollution control districts in Los Angeles, Orange, Riverside, and San Bernardino counties. The geographic area of which SCAQMD consists of is known as the SCAB. SCAQMD develops comprehensive plans

and regulatory programs for the region to attain federal standards by dates specified in federal law. The agency is also responsible for meeting state standards by the earliest date achievable, using reasonably available control measures.

SCAQMD rule development through the 1970s and 1980s resulted in dramatic improvement in SCAB air quality. Nearly all control programs developed through the early 1990s relied on (i) the development and application of cleaner technology; (ii) add-on emission controls, and (iii) uniform CEQA review throughout the SCAB. Industrial emission sources have been significantly reduced by this approach and vehicular emissions have been reduced by technologies implemented at the state level by CARB.

As discussed above, the SCAQMD is the lead agency charged with regulating air quality emission reductions for the entire SCAB. SCAQMD created AQMPs which represent a regional blueprint for achieving healthful air on behalf of the 16 million residents of the SCAB. The 2012 AQMP states, “the remarkable historical improvement in air quality since the 1970’s is the direct result of Southern California’s comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its AQMPs,” (13).

Emissions of O₃, NO_x, VOC, and CO have been decreasing in the SCAB since 1975 and are projected to continue to decrease through 2020 (14). These decreases result primarily from motor vehicle controls and reductions in evaporative emissions. Although vehicle miles traveled (VMT) in the SCAB continue to increase, NO_x and VOC levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_x emissions from electric utilities have also decreased due to use of cleaner fuels and renewable energy. O₃ contour maps show that the number of days exceeding the 8-hour NAAQS has generally decreased between 1980 and 2020. For 2020, there was an overall decrease in exceedance days compared with the 1980 period. However, as shown on Table 2-5, O₃ levels have increased in the past three years due to higher temperatures and stagnant weather conditions. Notwithstanding, O₃ levels in the SCAB have decreased substantially over the last 30 years with the current maximum measured concentrations being approximately one-third of concentrations within the late 70’s (15).

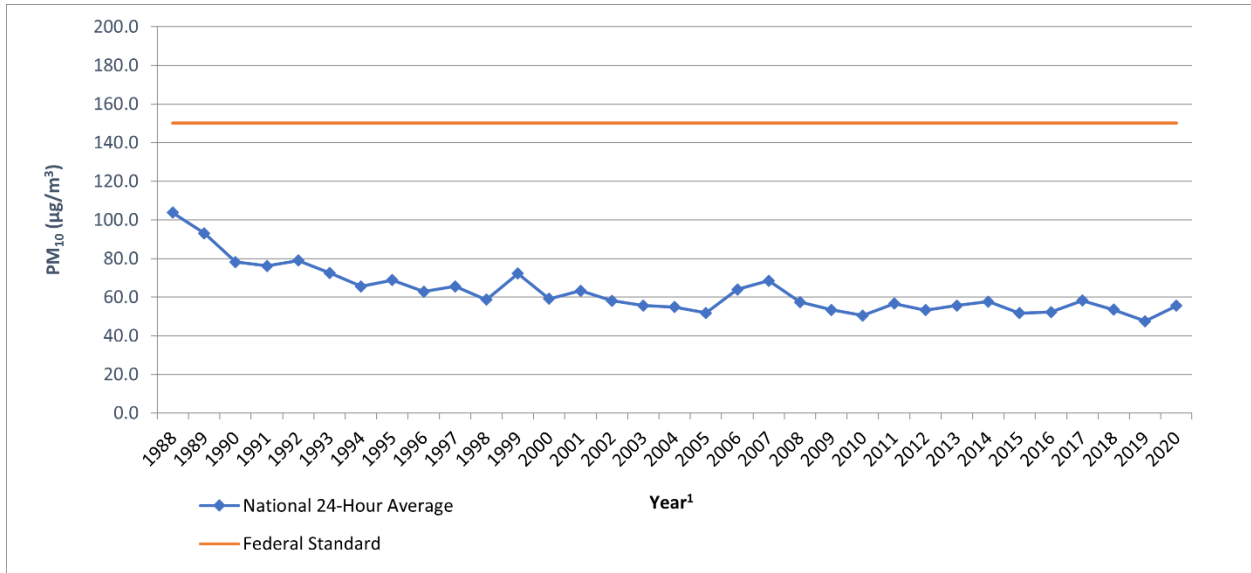
TABLE 2-5: SCAB O₃ TREND

Source: 2020 SCAQMD, Historical O₃ Air Quality Trends (1976-2020)

The overall trends of PM₁₀ and PM_{2.5} levels in the air (not emissions) show an overall improvement since 1975. Direct emissions of PM₁₀ have remained somewhat constant in the SCAB and direct emissions of PM_{2.5} have decreased slightly since 1975. Area wide sources (fugitive dust from roads, dust from construction, and other sources) contribute the greatest amount of direct particulate matter emissions.

As with other pollutants, the most recent PM₁₀ statistics show an overall improvement as illustrated in Tables 2-6 and 2-7. During the period for which data are available, the 24-hour national annual average concentration for PM₁₀ decreased by approximately 46%, from 103.7 microgram per cubic meter (µg/m³) in 1988 to 55.5 µg/m³ in 2020 (16). Although the values are below the federal standard, it should be noted that there are days within the year where the concentrations would exceed the threshold. The 24-hour state annual average for emissions for PM₁₀, have decreased by approximately 64%, from 93.9 µg/m³ in 1989 to 33.9 µg/m³ in 2020 (16). Although data in the late 1990's show some variability, this is probably due to the advances in meteorological science rather than a change in emissions. Similar to the ambient concentrations, the calculated number of days above the 24-hour PM₁₀ standards has also shown an overall drop.

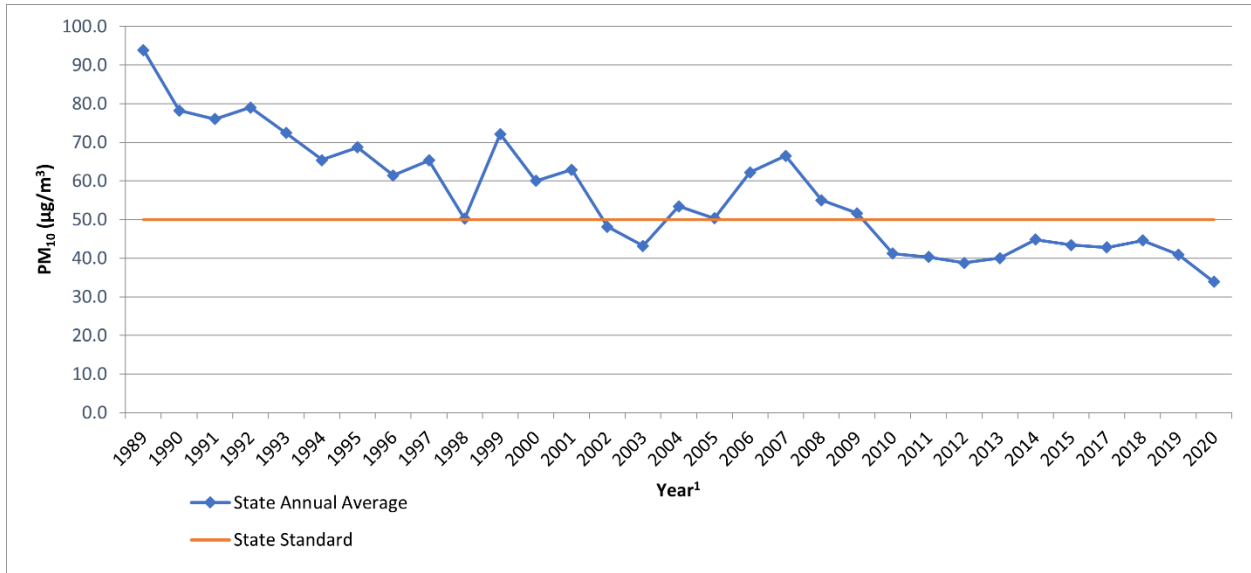
TABLE 2-6: SCAB AVERAGE 24-HOUR CONCENTRATION PM₁₀ TREND (BASED ON FEDERAL STANDARD)¹



Source: 2020 CARB, iADAM: Top Four Summary: PM₁₀ 24-Hour Averages (1988-2020)

¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

TABLE 2-7: SCAB ANNUAL AVERAGE CONCENTRATION PM₁₀ TREND (BASED ON STATE STANDARD)¹

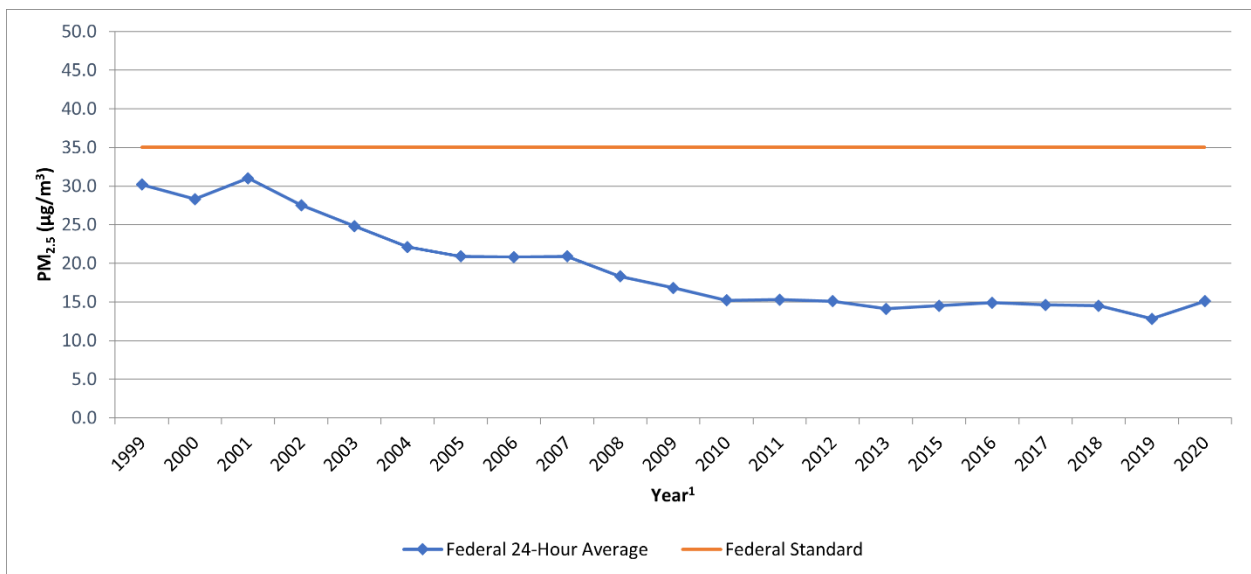


Source: 2020 CARB, iADAM: Top Four Summary: PM₁₀ 24-Hour Averages (1988-2020)

¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of “0” have also been omitted.

Tables 2-8 and 2-9 shows the most recent 24-hour average PM_{2.5} concentrations in the SCAB from 1999 through 2020. Overall, the national and state annual average concentrations have decreased by almost 50% and 31% respectively (16). It should be noted that the SCAB is currently designated as nonattainment for the state and federal PM_{2.5} standards.

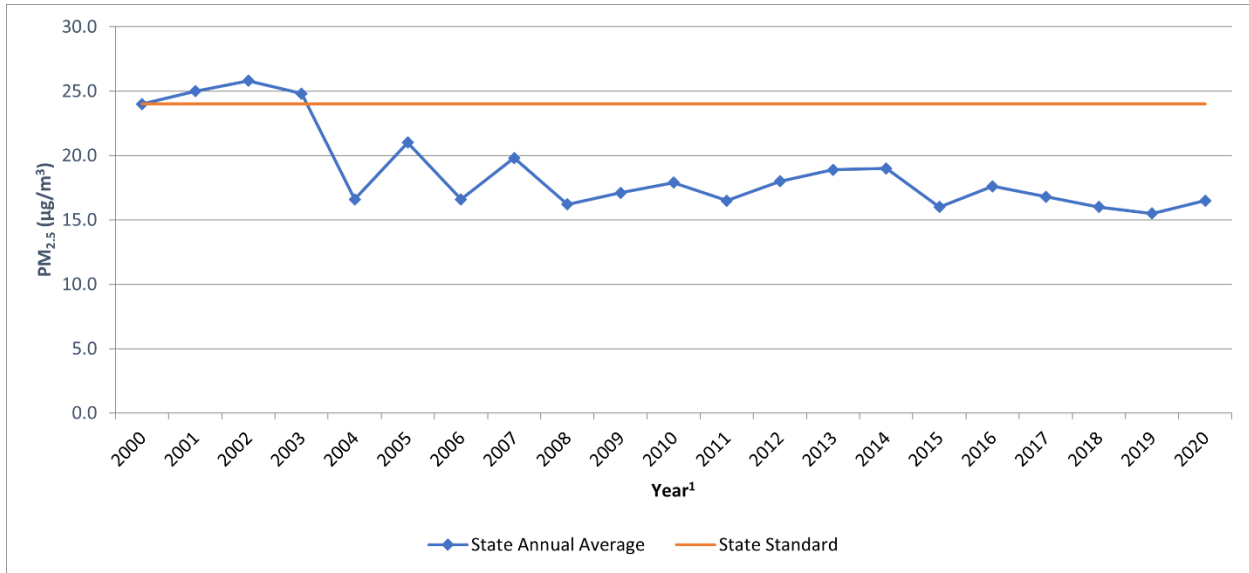
TABLE 2-8: SCAB 24-HOUR AVERAGE CONCENTRATION PM_{2.5} TREND (BASED ON FEDERAL STANDARD)¹



Source: 2020 CARB, iADAM: Top Four Summary: PM_{2.5} 24-Hour Averages (1999-2020)

¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of “0” have also been omitted.

TABLE 2-9: SCAB ANNUAL AVERAGE CONCENTRATION PM_{2.5} TREND (BASED ON STATE STANDARD)¹



Source: 2020 CARB, iADAM: Top Four Summary: PM_{2.5} 24-Hour Averages (1999-2020)

¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of “0” have also been omitted.

While the 2012 AQMP PM₁₀ attainment demonstration and the 2015 associated supplemental SIP submission indicated that attainment of the 24-hour standard was predicted to occur by the end of 2015, it could not anticipate the effect of the ongoing drought on the measured PM_{2.5}.

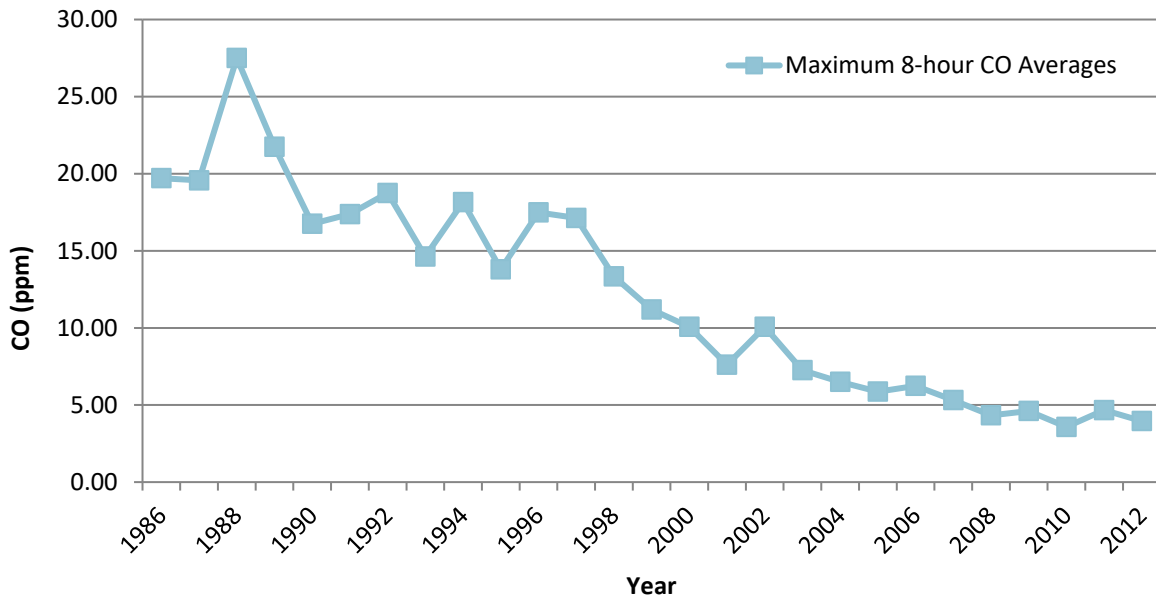
The 2006 to 2010 base period used for the 2012 attainment demonstration had near-normal rainfall. While the trend of PM_{2.5}-equivalent emission reductions continued through 2015, the severe drought conditions contributed to the PM_{2.5} increases observed after 2012. As a result of the disrupted progress toward attainment of the federal 24-hour PM_{2.5} standard, SCAQMD submitted a request and the EPA approved, in January 2016, a “bump up” to the nonattainment classification from “moderate” to “serious,” with a new attainment deadline as soon as practicable, but not beyond December 31, 2019. As of March 14, 2019, the EPA approved portions of a SIP revision submitted by California to address CAA requirements for the 2006 24-hour PM_{2.5} NAAQS in the Los Angeles-SCAB Serious PM_{2.5} nonattainment area. The EPA also approved 2017 and 2019 motor vehicle emissions budgets for transportation conformity purposes and inter-pollutant trading ratios for use in transportation conformity analyses (17).

In March 2017, the SCAQMD released the Final 2016 AQMP. The 2016 AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (18). Similar to the 2012 AQMP, the 2016 AQMP incorporates scientific and technological information and planning assumptions, including the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (2016-2040 RTP/SCS) and updated emission inventory methodologies for various source categories (19).

The 2022 AQMP is currently being developed by SCAQMD to address the EPA’s strengthened ozone standard. Development of the 2022 AQMP is in its early stages and no formal timeline for completion and adoption is currently known.

The most recent CO concentrations in the SCAB are shown in Table 2-10 (16). CO concentrations in the SCAB have decreased markedly — a total decrease of more about 80% in the peak 8-hour concentration from 1986 to 2012. It should be noted 2012 is the most recent year where 8-hour CO averages and related statistics are available in the SCAB. The number of exceedance days has also declined. The entire SCAB is now designated as attainment for both the state and national CO standards. Ongoing reductions from motor vehicle control programs should continue the downward trend in ambient CO concentrations.

TABLE 2-10: SCAB 8-HOUR AVERAGE CONCENTRATION CO TREND¹



Source: 2020 CARB, iADAM: Top Four Summary: CO 8-Hour Averages (1986-2012)

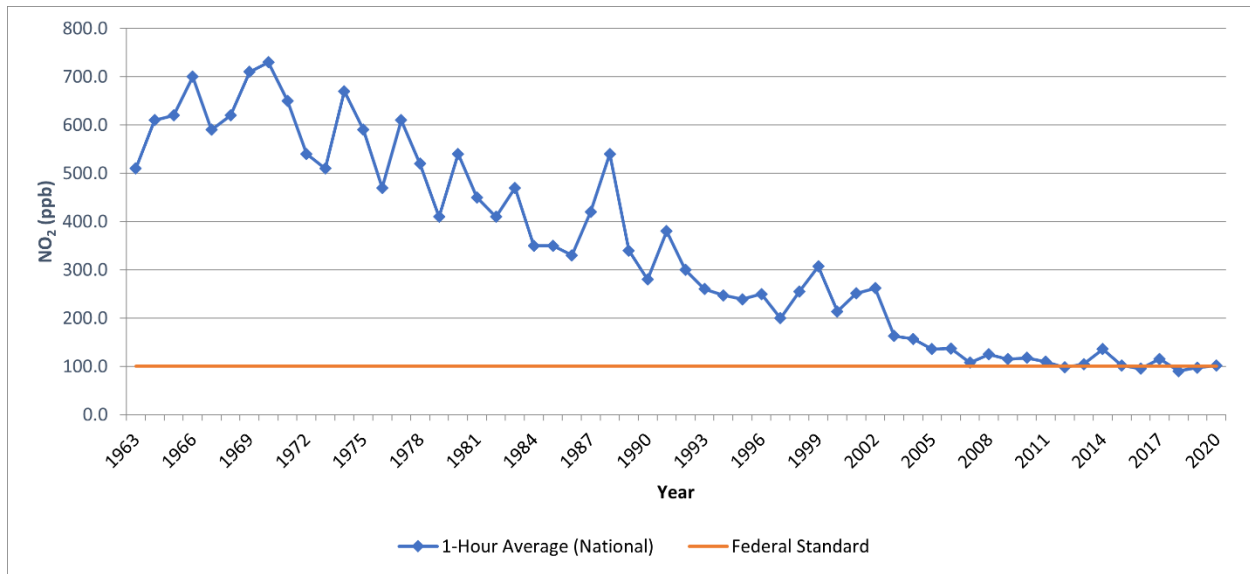
¹ The most recent year where 8-hour concentration data is available is 2012.

Part of the control process of the SCAQMD’s duty to greatly improve the air quality in the SCAB is the uniform CEQA review procedures required by SCAQMD’s *CEQA Air Quality Handbook (1993) (1993 CEQA Handbook) (20)*. The single threshold of significance used to assess Project direct and cumulative impacts has in fact “worked” as evidenced by the track record of the air quality in the SCAB dramatically improving over the course of the past decades. As stated by the SCAQMD, the District’s thresholds of significance are based on factual and scientific data and are therefore appropriate thresholds of significance to use for this Project.

The most recent NO₂ data for the SCAB is shown in Tables 2-11 and 2-12 (16). Over the last 50 years, NO₂ values have decreased significantly; the peak 1-hour national and state averages for 2020 is approximately 80% lower than what it was during 1963. The SCAB attained the State 1-hour NO₂ standard in 1994, bringing the entire state into attainment. A new state annual average

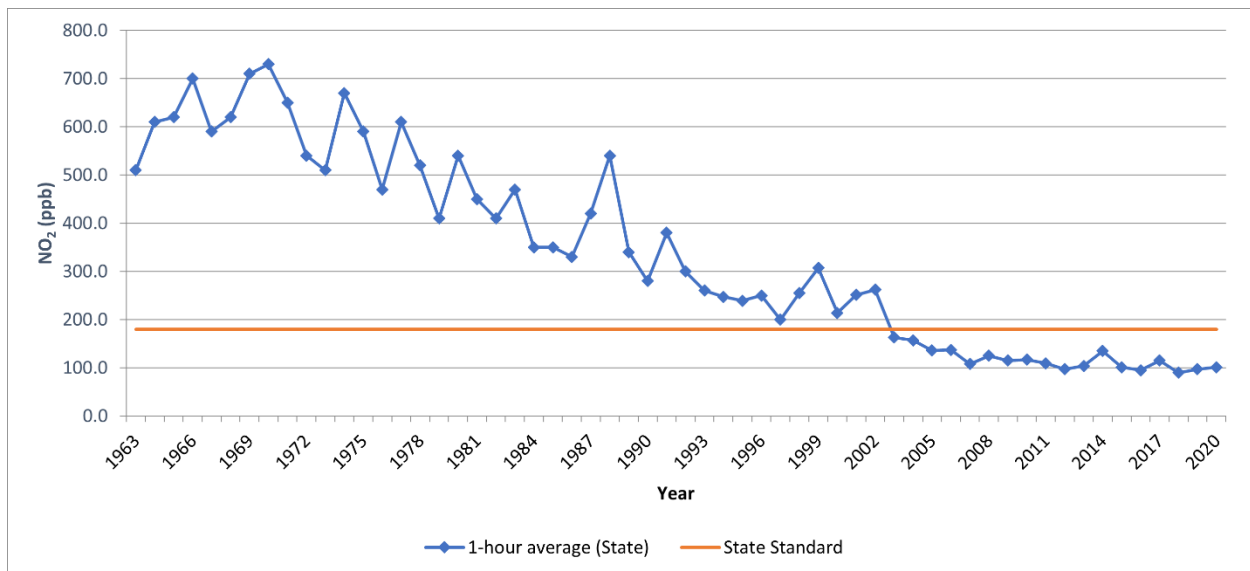
standard of 0.030 ppm was adopted by CARB in February 2007 (21). The new standard is just barely exceeded in the SCAQMD. NO₂ is formed from NO_x emissions, which also contribute to O₃. As a result, the majority of the future emission control measures would be implemented as part of the overall O₃ control strategy. Many of these control measures would target mobile sources, which account for more than three-quarters of California’s NO_x emissions. These measures are expected to bring the SCAQMD into attainment of the state annual average standard.

TABLE 2-11: SCAB 1-HOUR AVERAGE CONCENTRATION NO₂ TREND (BASED ON FEDERAL STANDARD)



Source: 2020 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2020)

TABLE 2-12: SCAB 1-HOUR AVERAGE CONCENTRATION NO₂ TREND (BASED ON STATE STANDARD)



Source: 2020 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2020)

2.9.1 TOXIC AIR CONTAMINANTS (TAC) TRENDS

In 1984, as a result of public concern for exposure to airborne carcinogens, CARB adopted regulations to reduce the amount of TAC emissions resulting from mobile and area sources, such as cars, trucks, stationary sources, and consumer products. According to the *Ambient and Emission Trends of Toxic Air Contaminants in California* journal article (22) which was prepared for CARB, results show that between 1990-2012, ambient concentration and emission trends for the seven TACs responsible for most of the known cancer risk associated with airborne exposure in California have declined significantly (between 1990 and 2012). The seven TACs studied include those that are derived from mobile sources: diesel particulate matter (DPM), benzene (C₆H₆), and 1,3-butadiene (C₄H₆); those that are derived from stationary sources: perchloroethylene (C₂Cl₄) and hexavalent chromium (Cr(VI)); and those derived from photochemical reactions of emitted VOCs: formaldehyde (CH₂O) and acetaldehyde (C₂H₄O)³. The decline in ambient concentration and emission trends of these TACs are a result of various regulations CARB has implemented to address cancer risk.

MOBILE SOURCE TACS

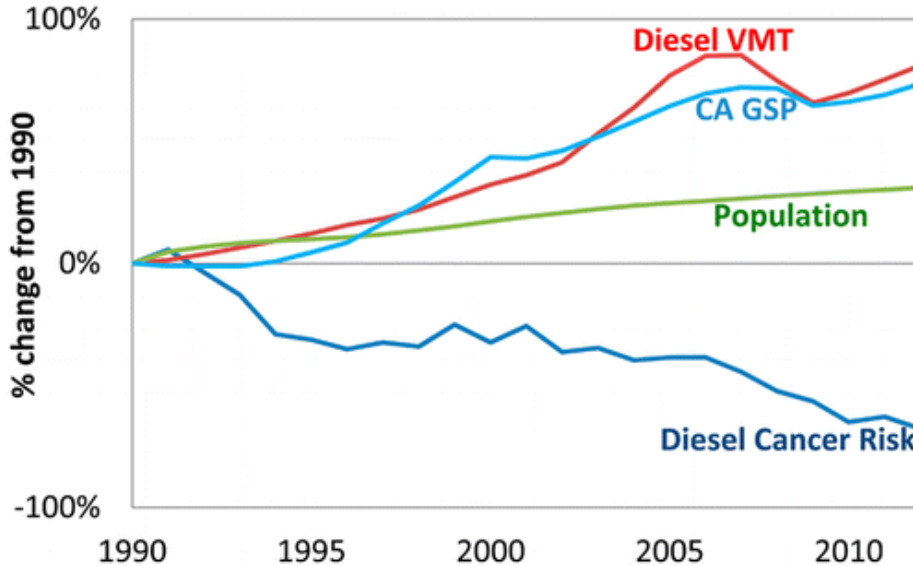
CARB introduced two programs that aimed at reducing mobile emissions for light and medium duty vehicles through vehicle emissions controls and cleaner fuel. In California, light-duty vehicles sold after 1996 are equipped with California's second-generation On-Board Diagnostic (OBD-II) system. The OBD-II system monitors virtually every component that can affect the emission performance of the vehicle to ensure that the vehicle remains as clean as possible over its entire life and assists repair technicians in diagnosing and fixing problems with the computerized engine controls. If a problem is detected, the OBD-II system illuminates a warning lamp on the vehicle instrument panel to alert the driver. This warning lamp typically contains the phrase "Check Engine" or "Service Engine Soon." The system would also store important information about the detected malfunction so that a repair technician can accurately find and fix the problem. CARB has recently developed similar OBD requirements for heavy-duty vehicles over 14,000 pounds (lbs). CARB's phase II Reformulated Gasoline Regulation (RFG-2), adopted in 1996, also led to a reduction of mobile source emissions. Through such regulations, benzene levels declined 88% from 1990-2012. 1,3-Butadiene concentrations also declined 85% from 1990-2012 as a result of the use of reformulated gasoline and motor vehicle regulations (22).

In 2000, CARB's Diesel Risk Reduction Plan (DRRP) recommended the replacement and retrofit of diesel-fueled engines and the use of ultra-low-sulfur (<15 ppm) diesel fuel. As a result of these measures, DPM concentrations have declined 68% since 2000, even though the state's population increased 31% and the amount of diesel vehicles miles traveled increased 81%, as shown on Exhibit 2-B. With the implementation of these diesel-related control regulations, CARB expects a DPM decline of 71% for 2000-2020.

³ It should be noted that ambient DPM concentrations are not measured directly. Rather, a surrogate method using the coefficient of haze (COH) and elemental carbon (EC) is used to estimate DPM concentrations.

EXHIBIT 2-A: DPM AND DIESEL VEHICLE MILES TREND

California Population, Gross State Product (GSP), Diesel Cancer Risk, Diesel Vehicle-Miles-Traveled (VMT)



Source: 2020 CARB

DIESEL REGULATIONS

CARB and the Ports of Los Angeles and Long Beach (POLA and POLB) have adopted several iterations of regulations for diesel trucks that are aimed at reducing DPM. More specifically, CARB Drayage Truck Regulation (23), CARB statewide On-road Truck and Bus Regulation (24), and the Ports of Los Angeles and Long Beach Clean Truck Program (CTP) require accelerated implementation of “clean trucks” into the statewide truck fleet (25). In other words, older more polluting trucks would be replaced with newer, cleaner trucks as a function of these regulatory requirements.

Moreover, the average statewide DPM emissions for Heavy Duty Trucks (HDT), in terms of grams of DPM generated per mile traveled, would dramatically be reduced due to the aforementioned regulatory requirements.

Diesel emissions identified in this analysis would therefore overstate future DPM emissions since not all the regulatory requirements are reflected in the modeling.

CANCER RISK TRENDS

Based on information available from CARB, overall cancer risk throughout the SCAB has had a declining trend since 1990. In 1998, following an exhaustive 10-year scientific assessment process, CARB identified particulate matter from diesel-fueled engines as a toxic air contaminant. The SCAQMD initiated a comprehensive urban toxic air pollution study called the Multiple Air Toxics Exposure Study (MATES). DPM accounts for more than 70% of the cancer risk.

In January 2018, as part of the overall effort to reduce air toxics exposure in the SCAB, SCAQMD began conducting the MATES V Program. MATES V field measurements were conducted at ten fixed sites (the same sites selected for MATES III and IV) to assess trends in air toxics levels. MATES V also included measurements of ultrafine particles (UFP) and black carbon (BC) concentrations, which can be compared to the UFP levels measured in MATES IV (26). The final report for the MATES V study was published August 2021. In addition to new measurements and updated modeling results, several key updates were implemented in MATES V. First, MATES V estimates cancer risks by taking into account multiple exposure pathways, which includes inhalation and non-inhalation pathways. This approach is consistent with how cancer risks are estimated in South Coast AQMD's programs such as permitting, Air Toxics Hot Spots (AB2588), and CEQA. Previous MATES studies quantified the cancer risks based on the inhalation pathway only. Second, along with cancer risk estimates, MATES V includes information on the chronic non-cancer risks from inhalation and non-inhalation pathways for the first time. Cancer risks and chronic non-cancer risks from MATES II through IV measurements have been re-examined using current Office of Environmental Health Hazard Assessment (OEHHA) and CalEPA risk assessment methodologies and modern statistical methods to examine the trends over time (27).

MATES-V calculated cancer risks based on monitoring data collected at ten fixed sites within the SCAB. None of the fixed monitoring sites are within the local area of the Project site. However, MATES-V has extrapolated the excess cancer risk levels throughout the SCAB by modeling the specific grids. The Project is located within a quadrant of the geographic grid of the MATES-V model which predicted a cancer risk of 600 in one million for the area containing the Project site. DPM is included in this cancer risk along with all other TAC sources. As in previous MATES iterations, diesel PM is the largest contributor to overall air toxics cancer risk. However, the average levels of diesel PM in MATES V are 53% lower at the 10 monitoring sites compared to MATES IV. Cumulative Project generated TACs are limited to DPM.

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3 REGULATORY BACKGROUND

3.1 FEDERAL REGULATIONS

The EPA is responsible for setting and enforcing the NAAQS for O₃, CO, NO_x, SO₂, PM₁₀, and Pb (28). The EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of CARB.

The Federal Clean Air Act (CAA) was first enacted in 1955 and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air quality standards, the NAAQS, and specifies future dates for achieving compliance (29). The CAA also mandates that states submit and implement SIPs for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions) (30) (31). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O₃, NO₂, SO₂, PM₁₀, CO, PM_{2.5}, and Pb. The NAAQS were amended in July 1997 to include an additional standard for O₃ and to adopt a NAAQS for PM_{2.5}. Table 2-3 (previously presented) provides the NAAQS within the SCAB.

Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and NO_x. NO_x is a collective term that includes all forms of NO_x which are emitted as byproducts of the combustion process.

3.2 CALIFORNIA REGULATIONS

CARB

CARB, which became part of CalEPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. AB 2595 mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for SO₄, visibility, hydrogen sulfide (H₂S), and vinyl chloride (C₂H₃Cl). However, at this time, H₂S and C₂H₃Cl are not measured at any monitoring stations in the SCAB

because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (32) (28).

Local air quality management districts, such as the SCAQMD, regulate air emissions from stationary sources such as commercial and industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Serious non-attainment areas are required to prepare Air Quality Management Plans (AQMP) that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g., motor vehicle use generated by residential and commercial development);
- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;
- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;
- Significant use of low emissions vehicles by fleet operators;
- Sufficient control strategies to achieve a 5% or more annual reduction in emissions or 15% or more in a period of three years for ROG, NO_x, CO and PM₁₀. However, air basins may use alternative emission reduction strategy that achieves a reduction of less than 5% per year under certain circumstances.

TITLE 24 ENERGY EFFICIENCY STANDARDS AND CALIFORNIA GREEN BUILDING STANDARDS

California Code of Regulations (CCR) Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on January 1, 2009, and is administered by the California Building Standards Commission.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2019 California Green Building Code Standards that became effective January 1, 2020.

Local jurisdictions are permitted to adopt more stringent requirements, as state law provides methods for local enhancements. CALGreen recognizes that many jurisdictions have developed existing construction waste and demolition ordinances and defers to them as the ruling guidance provided they establish a minimum 65% diversion requirement.

The code also provides exemptions for areas not served by construction waste and demolition recycling infrastructure. The State Building Code provides the minimum standard that buildings must meet in order to be certified for occupancy, which is generally enforced by the local building official.

Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas (GHG) emissions. The 2019 version of Title 24 was adopted by the California Energy Commission (CEC) and became effective on January 1, 2020.

The 2019 Title 24 standards will result in less energy use, thereby reducing air pollutant emissions associated with energy consumption in the SCAB and across the State of California. For example, the 2019 Title 24 standards will require solar photovoltaic systems for new homes, establish requirements for newly constructed healthcare facilities, encourage demand responsive technologies for residential buildings, and update indoor and outdoor lighting requirements for nonresidential buildings.

The CEC anticipates that single-family homes built with the 2019 standards will use approximately 7% less energy compared to the residential homes built under the 2016 standards. Additionally, after implementation of solar photovoltaic systems, homes built under the 2019 standards will use about 53% less energy than homes built under the 2016 standards. Nonresidential buildings (such as the Project) will use approximately 30% less energy due to lighting upgrade requirements (33).

Because the Project will be constructed after January 1, 2020, the 2019 CALGreen standards are applicable to the Project and require, among other items (34):

- EV Charging (new one- and two-family dwellings and townhouses with attached private garages). For each dwelling unit, install a listed raceway to accommodate a dedicated 208/240-volt branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or other enclosure in close proximity to the proposed location of an EV charger. Raceways are required to be continuous at enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit overcurrent protective device (4.106.4.1).
- Short-term bicycle parking. If the new project or an additional alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack (5.106.4.1.1).
- Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5% of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility (5.106.4.1.2).
- Designated parking for clean air vehicles. In new projects or additions to alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as shown in Table 5.106.5.2 (5.106.5.2).
- Electric vehicle charging stations. New construction shall facilitate the future installation of electric vehicle supply equipment. The compliance requires empty raceways for future conduit and documentation that the electrical system has adequate capacity for the future load. The number of spaces to be provided for is contained in Table 5.106.5.3.3 (5.106.5.3).

- Outdoor light pollution reduction. Outdoor lighting systems shall be designed to meet the backlight, uplight and glare ratings per Table 5.106.8 (5.106.8)
- Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.405.1.2, or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent (5.408.1).
- Excavated soil and land clearing debris. 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed (5.408.3).
- Recycling by Occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive (5.410.1).
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:
 - Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (5.303.3.1)
 - Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush (5.303.3.2.1). The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush (5.303.3.2.2).
 - Showerheads. Single showerheads shall have a minimum flow rate of not more than 1.8 gallons per minute and 80 psi (5.303.3.3.1). When a shower is served by more than one showerhead, the combine flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi (5.303.3.3.2).
 - Faucets and fountains. Nonresidential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi (5.303.3.4.1). Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute of 60 psi (5.303.3.4.2). Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute (5.303.3.4.3). Metering faucets shall not deliver more than 0.20 gallons per cycle (5.303.3.4.4). Metering faucets for wash fountains shall have a maximum flow rate not more than 0.20 gallons per cycle (5.303.3.4.5).
- Outdoor potable water use in landscaped areas. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent (5.304.1).
- Water meters. Separate submeters or metering devices shall be installed for new buildings or additions in excess of 50,000 sf or for excess consumption where any tenant within a new building or within an addition that is project to consume more than 1,000 gallons per day (5.303.1.1 and 5.303.1.2).
- Outdoor water use in rehabilitated landscape projects equal or greater than 2,500 sf. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 sf requiring a building or landscape permit (5.304.3).

- Commissioning. For new buildings 10,000 sf and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner’s or owner representative’s project requirements (5.410.2).

Additionally, under California’s 2022 Title 24, Part 6 Building Energy Efficiency Standards, solar photovoltaic systems are required for newly constructed low-rise residential buildings and shall be sized sufficient to offset the electricity use of the proposed building as if it was a mixed-fuel building.

AIR QUALITY MANAGEMENT PLANNING (AQMP)

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards (19). AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 5.8.

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4 SIGNIFICANCE THRESHOLDS

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the *Initial Study Checklist in Appendix G of the State CEQA Guidelines (14 CCR §§ 15000, et seq.)*. Based on these thresholds, a project would result in a potentially significant impact related to air quality if it would (1):

- Conflict with or obstruct implementation of the applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard.
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

4.1 REGIONAL SIGNIFICANCE THRESHOLDS

The SCAQMD has also developed regional significance thresholds for other regulated pollutants, as summarized at Table 4-1 (35). The SCAQMD's *CEQA Air Quality Significance Thresholds (April 2019)* indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 4-1: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS

Pollutant	Construction Regional Thresholds	Operational Regional Thresholds
NO _x	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM ₁₀	150 lbs/day	150 lbs/day
PM _{2.5}	55 lbs/day	55 lbs/day
SO _x	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Pb	3 lbs/day	3 lbs/day

lbs/day = Pounds Per Day

Source: Regional Thresholds presented in this table are based on the SCAQMD Air Quality Significance Thresholds, April 2019

4.2 LOCALIZED SIGNIFICANCE THRESHOLDS

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology (LST Methodology)* (36). The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the NAAQS and CAAQS. Collectively, these are referred to as Localized Significance Thresholds (LSTs).

The SCAQMD established LSTs in response to the SCAQMD Governing Board’s Environmental Justice Initiative I-4⁴. LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the *LST Methodology* (37).

4.2.1 APPLICABILITY OF LSTs FOR THE PROJECT

For this Project, the appropriate SRA for the LST analysis is Southwest San Bernardino Valley (SRA 33). LSTs apply to CO, NO_x, PM₁₀, and PM_{2.5}. The SCAQMD produced look-up tables for projects less than or equal to 5 acres in size, however the look-up tables can be applied as a screening criterion for larger projects (see additional discussion in Section 4.2.2).

In order to determine the appropriate methodology for determining localized impacts that could occur as a result of Project-related construction, the following process is undertaken:

Identify the maximum daily on-site emissions that will occur during construction activity:

- The maximum daily on-site emissions could be based on information provided by the Project Applicant; or
- The SCAQMD’s Fact Sheet for Applying CalEEMod to Localized Significance Thresholds and CalEEMod User’s Guide Appendix A: Calculation Details for CalEEMod can be used to determine the maximum site acreage that is actively disturbed based on the construction equipment fleet and equipment hours as estimated in CalEEMod (38) (39).

If the total acreage disturbed is less than or equal to 5 acres per day, then the SCAQMD’s screening look-up tables are utilized to determine if a Project has the potential to result in a significant impact. The look-up tables establish a maximum daily emissions threshold in lbs/day that can be compared to CalEEMod outputs.

Since total acreage disturbed for the Project is likely greater than 5 acres per day throughout the construction process, then the SCAQMD recommends dispersion modeling to be conducted to determine the actual pollutant concentrations for applicable LSTs in the air. In other words, the maximum daily on-site emissions as calculated in CalEEMod are modeled via air dispersion modeling to calculate the actual concentration in the air (e.g., parts per million or micrograms per cubic meter) in order to determine if any applicable thresholds are exceeded.

⁴The purpose of SCAQMD’s Environmental Justice program is to ensure that everyone has the right to equal protection from air pollution and fair access to the decision-making process that works to improve the quality of air within their communities. Further, the SCAQMD defines Environmental Justice as “...equitable environmental policymaking and enforcement to protect the health of all residents, regardless of age, culture, ethnicity, gender, race, socioeconomic status, or geographic location, from the health effects of air pollution.”

4.2.1.1 MAXIMUM DAILY DISTURBED-ACREAGE

As a conservative measure, it is assumed that a maximum of 20 acres per day can be actively disturbed. In CalEEMod, the Total Acres Graded (TAG) field represents the cumulative distance traversed on the property by the grading equipment. In order to properly grade a piece of land, multiple passes with grading equipment may be required. So even though the lot size is a fixed number of acres, the TAG could be an order of magnitude higher than the footprint of the lot (39). TAG is a function of the maximum acreage disturbed per day times the number of days of the subphase of construction. As such, the “Total Acres Graded” field in CalEEMod has been revised to the following⁵:

- Phase 1
 - Site Preparation: 1,700 acres (20 acres disturbed per day x 85 working days)
 - Grading: 3,080 acres (20 acres disturbed per day x 154 working days)
- Phase 2
 - Site Preparation: 2,200 acres (20 acres per day x 110 working days)
 - Grading: 3,460 acres (20 acres per day x 173 working days)

4.2.1.2 DISPERSION MODELING

In order to estimate localized pollutant concentrations resulting from Project construction, the SCAQMD-approved AERMOD dispersion model was utilized. The modeling approach utilized is discussed as follows:

SOURCES

It should be noted that in order to model worst-case conditions, the highest daily peak on-site emissions resulting from overlapping construction activity were modeled.

A ground level release height and a 1 meter (~3.28 feet) initial vertical dimension (sigma z) were utilized for fugitive emissions of PM₁₀ and PM_{2.5} consistent with SCAQMD’s LST guidance.

In order to account for equipment exhaust emissions from NO₂, and CO a release height of 5.0 meters was utilized consistent with SCAQMD’s LST guidance.

METEOROLOGICAL DATA AND MODEL OPTIONS

In order to account for meteorological conditions at the Project site, meteorological data from the SCAQMD’s Ontario Airport (KONT) monitoring station was utilized, as this is the nearest station to the Project site for which meteorological data is available. Additionally, a receptor height of 2 meters and regulatory default options were utilized consistent with SCAQMD’s LST guidance.

⁵ CalEEMod does not provide a “Total Acres Graded” field for Building Construction, Paving, or Architectural Coating activities.

4.2.1.3 SENSITIVE RECEPTORS

As previously stated, LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable NAAQS and CAAQS at the nearest residence or sensitive receptor. Receptor locations are sites where individuals may be exposed to emissions from Project activities. For the purposes of this analysis, receptor sites have been established at on-site and off-site locations representative of land uses that could be maximally affected by Project-source air pollutant emissions.

RESIDENTIAL RECEPTORS

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, individuals with pre-existing respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise. Structures that house these persons or places where they gather to exercise are defined as “sensitive receptors”. These structures typically include residences, hotels, hospitals, etc. as they are also known to be locations where an individual can remain for 24 hours. Consistent with the LST Methodology, the nearest land use where an individual could remain for 24 hours to the Project site (in this case the nearest residential land use) has been used to determine construction and operational air quality impacts for emissions of PM₁₀ and PM_{2.5}, since PM₁₀ and PM_{2.5} thresholds are based on a 24-hour averaging time.

NON-RESIDENTIAL RECEPTORS

As per the LST Methodology, commercial and industrial facilities are not included in the definition of sensitive receptor because employees and patrons do not typically remain onsite for a full 24 hours but are typically onsite for 8 hours or less. The LST Methodology explicitly states that “LSTs based on shorter averaging periods, such as the NO₂ and CO LSTs, could also be applied to receptors such as industrial or commercial facilities since it is reasonable to assume that a worker at these sites could be present for periods of one to eight hours (36).” For purposes of analysis, if an industrial/commercial use is located at a closer distance to the Project site than the nearest residential use, the nearest industrial/commercial use will be utilized to determine construction and operational LST air impacts for emissions of NO₂ and CO an individual could be present at these sites for periods of 1 to 8 hours.

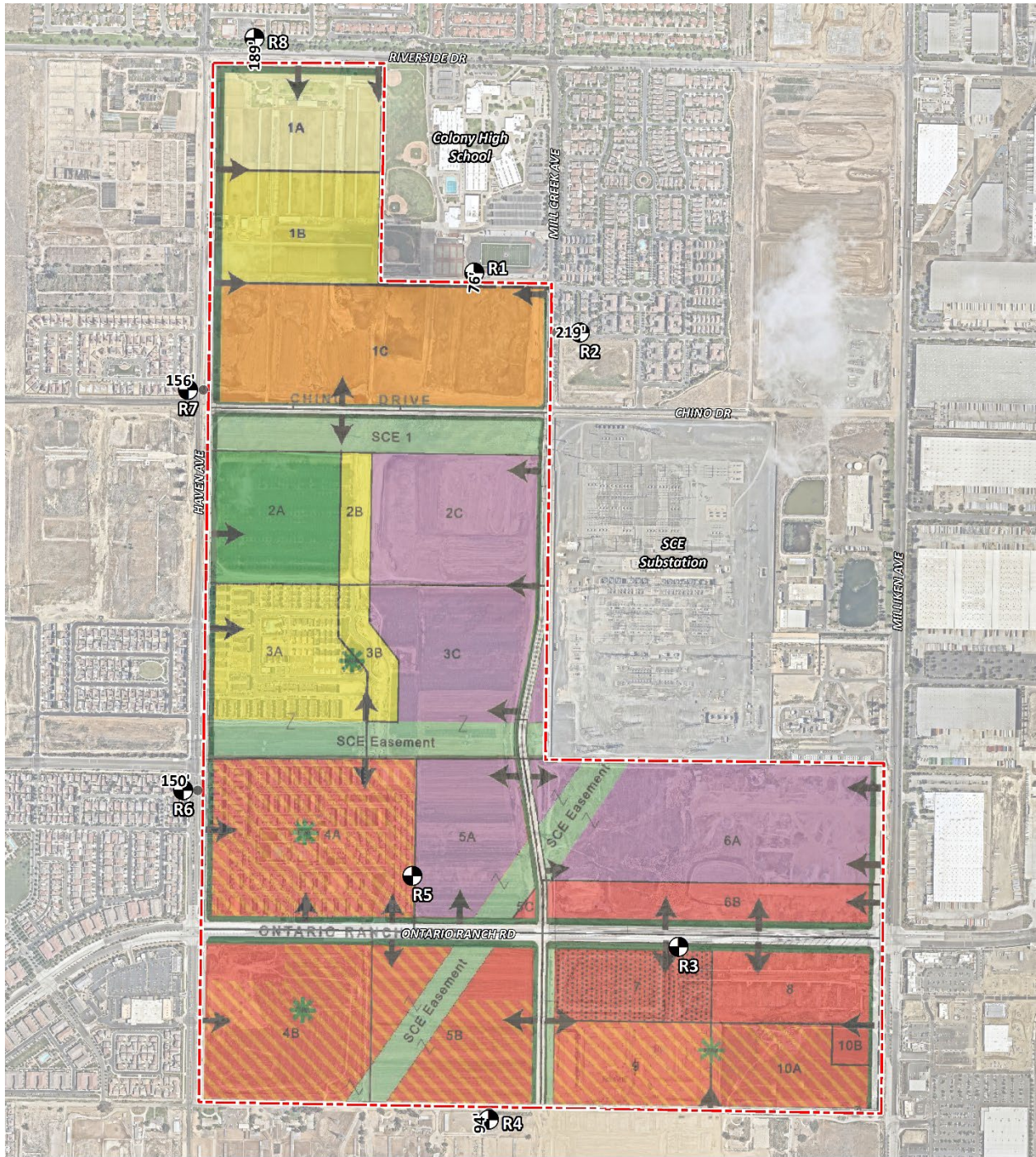
SENSITIVE RECEPTOR LOCATIONS

Sensitive receptors in the Project study area are illustrated at Exhibit 4-A and are described below:

- R1: Location R1 represents the Colony High School Football Stadium, approximately 76 feet north of the Project site. R1 is placed in the bleachers just north of Planning Area (PA) 1.
- R2: Location R2 represents the existing residence at 3271 S Quincy Way, approximately 219 feet east of the Project site. R2 is placed in the private outdoor living areas facing the Project site.

- R3: Location R3 represents an on-site receiver location within the planned PA7 residential mixed use overlay area. R3 is placed approximately 460 feet south of the light industrial use within PA 6A.
- R4: Location R4 represents the existing residence at 10823 Edison Avenue, approximately 94 feet south of the Project site. Since there are no private outdoor living areas (backyard) facing the Project site, R4 is placed at the building's façade.
- R5: Location R5 represents the existing on-site residence at 3959 S Sunrise Avenue within the standalone residential overlay (PA4). R5 is placed in the private outdoor living areas facing the light industrial use within PA5A.
- R6: Location R6 represents the existing residence at 3455 Pine Ridge Loop, approximately 150 feet west of the Project site. R6 is placed in the private outdoor living areas facing the Project site.
- R7: Location R7 represents the existing residence at 3379 S Myrtle Drive, approximately 156 feet west of the Project site. R7 is placed in the private outdoor living areas facing the Project site.
- R8: Location R8 represents the existing residence at 2943 S Alder Creek Drive, approximately 189 feet north of the Project site. R8 is placed in the private outdoor living areas facing the Project site.

EXHIBIT 4-A: SENSITIVE RECEPTOR LOCATIONS



LEGEND:
 N
 Site Boundary
 Receptor Locations
 Distance from receptor to Project site boundary (in feet)

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5 AIR QUALITY IMPACTS

5.1 INTRODUCTION

The Project has been evaluated to determine if it will violate an air quality standard, contribute to an existing or projected air quality violation, or determine if it will result in a cumulatively considerable net increase of a criteria pollutant for which the SCAB is non-attainment under an applicable NAAQS and CAAQS. Additionally, the Project has been evaluated to determine consistency with the applicable AQMP, exposure of sensitive receptors to substantial pollutant concentrations, and the impacts of odors.

5.2 METHODOLOGY

5.2.1 CALFEEMOD

Land uses such as the Project affect air quality through construction-source and operational-source emissions.

In May 2022, the SCAQMD, in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the CalFEEMod Version 2022.1. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from MMs (40). Accordingly, the latest version of CalFEEMod has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendices 5.1, 5.3, and 5.4.

5.3 REGIONAL CONSTRUCTION EMISSIONS

5.3.1 CONSTRUCTION ACTIVITIES

Construction activities associated with the Project will result in emissions of VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}. Construction related emissions are expected from the following construction activities:

PHASE 1

- Site Preparation
- Grading
- Building Construction
- Paving
- Architectural Coating

PHASE 2

- Demolition
- Site Preparation

- Grading
- Building Construction
- Paving
- Architectural Coating

GRADING ACTIVITIES

Dust is typically a major concern during grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called “fugitive emissions”. Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). CalEEMod was utilized to calculate fugitive dust emissions resulting from grading activities. Based on information provided by the Project Applicant, Project grading will balance on-site – that is, grading activities will not require substantial import or export of soils.

CONSTRUCTION WORKER VEHICLE TRIPS

Construction emissions for construction worker vehicles traveling to and from the Project site, as well as vendor trips (construction materials delivered to the Project site) were estimated based on information from CalEEMod defaults.

5.3.2 CONSTRUCTION DURATION

Construction is expected to commence in January 2023 and will end in December 2026. The construction schedule utilized in the analysis, shown in Table 5-1, represents a “worst-case” analysis scenario. Should construction occur any time after the respective dates indicated, emissions would be reduced. This is due to decreased emission factors for construction activities and construction equipment in future years, and increasing stringency of emission regulations.⁶ The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (1).

⁶ As shown in the CalEEMod User’s Guide Version 2022.1, Section 4.3 “OFFROAD Equipment” as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

TABLE 5-1: CONSTRUCTION SCHEDULE

Phase	Construction Activity	Start Date	End Date	Days
Phase 1	Site Preparation	1/1/2023	4/30/2023	85
	Grading	5/1/2023	11/30/2023	154
	Building Construction	12/1/2023	12/31/2024	283
	Paving	9/1/2024	12/31/2024	87
	Architectural Coating	2/1/2024	12/31/2024	239
Phase 2	Demolition	1/1/2024	3/31/2024	65
	Site Preparation	4/1/2024	8/31/2024	110
	Grading	9/1/2024	4/30/2025	173
	Building Construction	5/1/2025	12/31/2026	436
	Paving	9/1/2026	12/31/2026	88
	Architectural Coating	6/1/2026	12/31/2026	154

5.3.3 CONSTRUCTION EQUIPMENT

Site specific construction fleet may vary due to specific project needs at the time of construction. A detailed summary of construction equipment assumptions by phase is provided at Table 5-2.

TABLE 5-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Phase	Construction Activity	Equipment	Amount	Hours Per Day
Phase 1	Site Preparation	Rubber Tired Dozers	9	8
		Crawler Tractors	12	8
	Grading	Excavators	6	8
		Graders	3	8
		Rubber Tired Dozers	3	8
		Scrapers	6	8
		Crawler Tractors	6	8
	Building Construction	Cranes	3	8
		Forklifts	9	8
		Generator Sets	3	8
		Tractors/Loaders/Backhoes	9	8
		Welders	3	8
	Paving	Pavers	6	8
		Paving Equipment	6	8

Phase	Construction Activity	Equipment	Amount	Hours Per Day
		Rollers	6	8
	Architectural Coating	Air Compressors	3	8
Phase 2	Demolition	Concrete/Industrial Saws	3	8
		Excavators	9	8
		Rubber Tired Dozers	6	8
	Site Preparation	Rubber Tired Dozers	9	8
		Crawler Tractors	12	8
	Grading	Excavators	6	8
		Graders	3	8
		Rubber Tired Dozers	3	8
		Scrapers	6	8
		Crawler Tractors	6	8
	Building Construction	Cranes	3	8
		Forklifts	9	8
		Generator Sets	3	8
		Tractors/Loaders/Backhoes	9	8
		Welders	3	8
	Paving	Pavers	6	8
		Paving Equipment	6	8
		Rollers	6	8
	Architectural Coating	Air Compressors	3	8

5.3.4 ON-ROAD TRIPS

Construction generates on-road vehicle emissions from vehicle usage for workers, hauling, and vendors commuting to and from the site. The number of worker and vendor trips are presented below in Table 5-3.

TABLE 5-3: CONSTRUCTION TRIP ASSUMPTIONS

Phase	Construction Activity	Worker Trips Per Day	Vendor Trips Per Day	Hauling Trips Per Day
Phase 1	Site Preparation	53	152	0
	Grading	60	275	0
	Building Construction	3,874	505	0
	Paving	45	0	0

Phase	Construction Activity	Worker Trips Per Day	Vendor Trips Per Day	Hauling Trips Per Day
	Architectural Coating	775	0	0
Phase 2	Demolition	45	33	6
	Site Preparation	53	55	0
	Grading	60	87	0
	Building Construction	1,901	219	0
	Paving	45	0	0
	Architectural Coating	380	0	0

5.3.5 CONSTRUCTION EMISSIONS SUMMARY

IMPACTS WITHOUT MITIGATION

CalEEMod calculates maximum daily emissions for summer and winter periods. As such, the estimated maximum daily construction emissions without mitigation for both summer and winter periods are summarized on Table 5-4. The maximum daily emissions would occur in 2024 during overlap between Phase 1 and Phase 2 construction activities. Detailed unmitigated construction model outputs are presented in Appendix 5.1. Under the assumed scenarios, emissions resulting from the Project construction will exceed criteria pollutant thresholds established by the SCAQMD for emissions of VOCs, NO_x, and CO.

TABLE 5-4: MAXIMUM DAILY CONSTRUCTION EMISSIONS – WITHOUT MITIGATION

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
2023 (Phase 1)	15.10	147.00	122.00	0.25	26.60	15.60
2024 (Phase 1)	286.00	105.00	484.00	0.24	68.80	18.50
2024 (Phase 2)	13.80	130.00	111.00	0.21	24.90	14.60
2025 (Phase 2)	12.60	101.00	195.00	0.21	28.20	7.73
2026 (Phase 2)	199.00	73.20	248.00	0.17	34.70	9.84
Winter						
2023 (Phase 1)	24.40	147.00	323.00	0.25	57.00	15.60
2024 (Phase 1)	285.00	109.00	387.00	0.24	68.80	18.50
2024 (Phase 2)	12.20	116.00	99.60	0.21	14.90	8.26
2025 (Phase 2)	12.00	101.00	158.00	0.21	28.20	7.73
2026 (Phase 2)	198.00	74.50	207.00	0.17	34.70	9.84
Maximum Daily Emissions	299.80	235.00	595.00	0.45	93.70	33.10
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	NO	NO

IMPACTS WITH MITIGATION

As previously stated, the Project will implement MMs AQ-1 through AQ-6 which would reduce the severity of impacts. As shown in Table 5-5, after implementation of MMs AQ-1 through AQ-6, Project construction-source emissions would exceed criteria pollutant thresholds established by the SCAQMD for emissions of NO_x and CO. Detailed mitigated construction model outputs are presented in Appendix 5.2.

TABLE 5-5: MAXIMUM DAILY CONSTRUCTION EMISSIONS – WITH MITIGATION

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
2023 (Phase 1)	3.03	70.40	120.00	0.25	19.40	8.96
2024 (Phase 1)	70.10	97.70	491.00	0.24	66.60	16.50
2024 (Phase 2)	2.85	63.20	115.00	0.21	18.50	8.69
2025 (Phase 2)	10.20	63.00	201.00	0.21	27.20	6.79
2026 (Phase 2)	49.30	73.10	256.00	0.17	33.10	8.45
Winter						
2023 (Phase 1)	21.70	74.50	329.00	0.25	55.60	13.60
2024 (Phase 1)	68.60	102.00	394.00	0.24	66.60	16.50
2024 (Phase 2)	2.83	63.30	114.00	0.21	10.10	3.91
2025 (Phase 2)	9.69	63.10	164.00	0.21	27.20	6.79
2026 (Phase 2)	48.60	74.40	215.00	0.17	33.10	8.45
Maximum Daily Emissions	72.95	165.30	606.00	0.45	85.10	25.19
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	NO	YES	YES	NO	NO	NO

5.4 REGIONAL OPERATIONAL EMISSIONS

Operational activities associated with the Project will result in emissions of VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}. Operational emissions would be expected from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- On-Site Equipment Source Emissions
- TRU Source Emissions
- Gasoline Dispensing Emissions

5.4.1 AREA SOURCE EMISSIONS

CalEEMod estimates area source emissions for the following sources: architectural coating, consumer products, and landscape maintenance equipment. Detailed operational model outputs are presented in Appendix 5.3.

ARCHITECTURAL COATING

Over a period of time, the buildings that are part of this Project will be subject to emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings as part of Project maintenance. The emissions associated with architectural coatings were calculated using CalEEMod.

CONSUMER PRODUCTS

Consumer products include, but are not limited to detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form O₃ and other photochemically reactive pollutants. The emissions associated with use of consumer products were calculated based on defaults provided within CalEEMod.

LANDSCAPE MAINTENANCE EQUIPMENT

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. It should be noted that as October 9, 2021, Governor Gavin Newsom signed AB 1346. The bill aims to ban the sale of new gasoline-powered equipment under 25 gross horsepower (known as small off-road engines [SOREs]) by 2024. For purposes of analysis, the emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod. It should be noted that the version of CalEEMod that was employed for this analysis does not account for AB 1346. As such, emissions associated with landscape maintenance equipment are conservative.

5.4.2 ENERGY SOURCE EMISSIONS

Electricity and natural gas are used by almost every project. Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity are generally excluded from the evaluation of significance and only natural gas use is considered.

INTEGRATED ENERGY POLICY REPORT

Project building operations and Project site maintenance activities would result in the consumption of natural gas and electricity. Natural gas would be supplied to the Project by

Southern California Gas (SoCalGas) and electricity would be supplied to the Project by Southern California Edison (SCE).

5.4.3 MOBILE SOURCE EMISSIONS

The Project related operational emissions derive primarily from vehicle trips generated by the Project. Trip characteristics available from the *Rich Haven Specific Plan Traffic Analysis* were utilized in this analysis (4). The mobile-source emissions were calculated based on trip rates and trip lengths. Detailed operational model outputs are presented in Appendices 5.4 through 5.7.

Per the *Rich Haven Specific Plan Traffic Analysis*, at buildout the Project is expected to generate a total of approximately of 95,552 trip-ends per day with 8,079 AM peak hour trips and 8,036 PM peak hour trips (in actual vehicles) (4).

5.4.3.1 APPROACH FOR ANALYSIS

TRIP RATES

The trip generation rates used for this analysis are consistent with the rates provided in the *Rich Haven Specific Plan Traffic Analysis* which are based upon information collected by the Institute of Transportation Engineers (ITE) as provided in the *Trip Generation Manual*, 11th Edition, 2021 (4).

TRIP LENGTHS

To determine emissions associated with the retail, active park, and public park land uses from all vehicle types (Light-Duty-Auto vehicles [LDA], Light-Duty Trucks [LDT1]⁷, Light-Duty Trucks [LDT2]⁸, Medium-Duty Trucks [MDV], Other Buses [OBUS⁹], Urban Buses [UBUS¹⁰], Motorcycle [MCY], School Buses [SBUS], and Motor Homes [MH], heavy duty trucks (2-axle/Light-Heavy-Duty Trucks [LHDT1¹¹ and LHDT2¹²], 3-axle/Medium-Heavy-Duty Trucks [MHDT], and 4+-axle/Heavy-Heavy-Duty Trucks [HHDT]), the CalEEMod default for vehicle type, trip purpose and one-way trip length was employed. In order to determine emissions from passenger car vehicles, CalEEMod defaults for trip length and trip purpose were utilized (41). Default vehicle trip lengths for primary trips will be populated using data from the local metropolitan planning organizations/Regional Transportation Planning Agencies (MPO/RTPA). Trip type percentages and trip lengths provided by MPO/RTPAs truncate data at their demonstrative borders.

To determine emissions from passenger car vehicles associated with the high-cube fulfillment center and business park uses, the CalEEMod defaults for trip purpose and a trip length were utilized. It should also be noted that for purposes of this analysis, passenger cars related to the high-cube fulfillment center and business park uses include LDA, LDT1, LDT2, MDV, and MCY

⁷ Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

⁸ Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

⁹ OBUS vehicle classes refers to all other buses except school buses and urban buses.

¹⁰ UBUS vehicle classes consist of natural gas buses, gasoline buses, and diesel buses.

¹¹ Vehicles under the LHDT1 category have a GVWR of less than 8,501-10,000 lbs.

¹² Vehicles under the LHDT2 category have a GVWR of less than 10,001-14,000 lbs.

vehicle types. The CalEEMod default fleet mix was utilized for residential, retail, and recreational land uses. To account for emissions generated by passenger cars accessing the business park, high-cube cold storage, high-cube fulfillment, and high-cube transload land uses the following fleet mix was utilized in this analysis:

TABLE 5-6: PASSENGER CAR FLEET MIX

Land Use	% Vehicle Type				
	LDA	LDT1	LDT2	MDV	MCY
Phase 1 (2024)	54.62%	4.53%	21.75%	16.80%	2.30%
Buildout (2027)	53.99%	4.16%	23.01%	16.58%	2.26%

Note: The Project-specific passenger car fleet mix used in this analysis is based on a proportional split utilizing the default CalEEMod percentages assigned to LDA, LDT1, LDT2, MDV, and MCY vehicle types.

To determine emissions from trucks for the proposed industrial uses, the analysis incorporated the SCAQMD recommended truck trip length of 14.2 miles for 2-axle (LHDT1 and LHDT2) trucks, 15.3 miles for 3-axle (MHDT) trucks, and 39.9 miles for 4+-axle (HHDT) trucks and weighting the average trip lengths using traffic trip percentages taken from the *Rich-Haven Specific Plan, 2022 Amendment Traffic Study*. The trip length function for the industrial uses has been conservatively calculated to 31.31 miles, with an assumption of 100% primary trips for the proposed industrial land uses. This trip length assumption is higher than the CalEEMod default trip length. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1¹³ & LHDT2¹⁴)/2-axle, Medium-Heavy-Duty Trucks (MHDT)/3-axle, and Heavy-Heavy-Duty Trucks (HHDT)/4+-axle. To account for emissions generated by trucks, the following fleet mix was utilized in this analysis:

TABLE 5-7: TRUCK FLEET MIX

Land Use	% Vehicle Type			
	LHDT1	LHDT2	MHDT	HHDT
Phase 1 (2024)	15.76%	4.25%	14.25%	65.73%
Buildout (2027)	15.71%	4.30%	14.25%	65.73%

Note: Project-specific truck fleet mix is based on the number of trips generated by each truck type (LHDT1, LHDT2, MHDT, and HHDT) relative to the total number of truck trips.

FUGITIVE DUST RELATED TO VEHICULAR TRAVEL

Vehicles traveling on paved roads would be a source of fugitive emissions due to the generation of road dust inclusive of brake and tire wear particulates. The emissions estimates for travel on paved roads were calculated using CalEEMod.

¹³ Vehicles under the LHDT1 category have a GVWR of 8,501 to 10,000 lbs.

¹⁴ Vehicles under the LHDT2 category have a GVWR of 10,001 to 14,000 lbs.

5.4.4 TRU SOURCE EMISSIONS

In order to account for the possibility of refrigerated uses, trucks associated with the assumed 454,244 square feet of cold-storage land use are assumed to also have TRUs. Therefore, for modeling purposes 174 trucks (348 two-way truck trips per day) have the potential to include TRUs. TRUs are accounted for during on-site and off-site travel. The TRU calculations are based on EMISSIONS FACTOR Model version 2021 (EMFAC2021), developed by the CARB. EMFAC2021 does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operation.

5.4.5 ON-SITE CARGO HANDLING EQUIPMENT EMISSIONS

It is common for warehouse buildings to require the operation of exterior cargo handling equipment in the building's truck court areas. For this particular Project, on-site modeled operational equipment includes up to ten (10) 200 horsepower (hp), compressed natural gas or gasoline-powered tractors/loaders/backhoes operating at 4 hours a day¹⁵ for 365 days of the year.

5.4.6 GASOLINE DISPENSING EMISSIONS

Operational VOC emissions have been analyzed using CalEEMod analysis software and methodology and are based on the default assumptions for a convenience store with fueling positions use. The operational VOC emissions estimates associated with this use was previously shown in Table 3-8.

Operational VOC emissions would occur through the storage, transfer, and dispensing of gasoline. The enhanced vapor recovery systems required by SCAQMD Rule 461 would substantially reduce VOC emissions and mitigate any potential for the proposed gas station to exceed the daily emissions thresholds set by SCAQMD.

For example, SCAQMD Rule 461 sets a maximum limit of 0.15 pounds of VOC per 1,000 gallons from the storage, transfer and dispensing of gasoline and 0.38 pounds of VOC per 1,000 gallons from the dispensing of gasoline into vehicle fuel tanks for a total of 0.53 pounds of VOC per 1,000 gallons of gasoline. Because anticipated gasoline dispensing volumes were not available at the

¹⁵ Based on Table II-3, Port and Rail Cargo Handling Equipment Demographics by Type, from CARB's Technology Assessment: Mobile Cargo Handling Equipment document, a single piece of equipment could operate up to 2 hours per day (Total Average Annual Activity divided by Total Number Pieces of Equipment). As such, the analysis conservatively assumes that the tractor/loader/backhoe would operate up to 4 hours per day.

time of this analysis, it was conservatively estimated that each 16-vehicle fueling position (VFP) gas station would dispense 12,300,000 gallons per year. By dividing the throughput per day by 1,000 and then multiplying by 0.53, it was determined that each gas station would result in 17.86 pounds of additional VOC emissions per day from gasoline dispensing.

5.4.7 OPERATIONAL EMISSIONS SUMMARY

Project mobile source emissions impacts are dependent on both overall daily vehicle trip generation and the effect of the Project on peak hour traffic volumes and traffic operations in the vicinity of the Project. The Project related operational air quality impacts derive primarily from vehicle trips generated by the Project.

The estimated operational-source emissions for the proposed Project are summarized on Table 5-8 for Phase 1 (2024) and Table 5-9 for Project Buildout (2027). Detailed operational model outputs are presented in Appendices 5.3 and 5.4. As shown, the proposed Project will exceed the applicable SCAQMD thresholds for VOC, NO_x, and CO for Phase 1, and VOC, NO_x, CO, PM₁₀, and PM_{2.5} at Project Buildout. As such, Project operational emissions during Phase 1 and at Buildout would result in a significant and unavoidable impact.

TABLE 5-8: SUMMARY OF PEAK OPERATIONAL EMISSIONS – PHASE 1 (2024)

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Mobile Source	242.00	295.00	1,792.00	4.59	141.00	29.10
Area Source	236.00	61.40	387.00	0.39	4.95	5.04
Energy Source	2.27	39.90	24.30	0.25	3.14	3.14
TRU Source	12.61	13.81	1.50	0.00	0.59	0.54
On-Site Equipment	1.17	3.75	164.45	0.00	0.29	0.27
Gasoline Dispensing	53.58	0	0	0	0	0
Total Maximum Daily Emissions	547.63	413.87	2,369.25	5.23	149.97	38.09
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	NO	NO
Winter						
Mobile Source	224.00	314.00	1,545.00	4.36	141.00	29.10
Area Source	193.00	58.00	24.70	0.37	4.69	4.69
Energy Source	2.27	39.90	24.30	0.25	3.14	3.14
TRU Source	12.61	13.81	1.50	0.00	0.59	0.54
On-Site Equipment	1.17	3.75	164.45	0.00	0.29	0.27
Gasoline Dispensing	53.58	0	0	0	0	0
Total Maximum Daily Emissions	486.63	429.47	1,759.95	4.98	149.71	37.74
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	NO	NO

TABLE 5-9: SUMMARY OF PEAK OPERATIONAL EMISSIONS – PROJECT BUILDOUT (2027)

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Mobile Source	455.00	432.00	3,250.00	8.48	287.00	57.00
Area Source	350.00	99.80	581.00	0.63	8.01	8.13
Energy Source	3.45	60.50	35.70	0.38	4.77	4.77
TRU Source	12.61	13.81	1.50	0.00	0.59	0.54
On-Site Equipment	1.17	3.75	164.45	0.00	0.29	0.27
Gasoline Dispensing	107.16	0	0	0	0	0
Total Maximum Daily Emissions	929.39	609.87	4,032.65	9.49	300.66	70.71
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	YES	YES
Winter						
Mobile Source	424.00	460.00	2,800.00	8.00	287.00	57.10
Area Source	289.30	94.70	40.30	0.60	7.66	7.66
Energy Source	3.45	60.50	35.70	0.38	4.77	4.77
TRU Source	12.61	13.81	1.50	0.00	0.59	0.54
On-Site Equipment	1.17	3.75	164.45	0.00	0.29	0.27
Gasoline Dispensing	107.16	0	0	0	0	0
Total Maximum Daily Emissions	837.69	632.77	3,041.95	8.98	300.31	70.34
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	YES	YES

5.5 CONSTRUCTION-SOURCE LOCALIZED EMISSIONS

IMPACTS WITHOUT MITIGATION

As shown in Table 5-10, with mitigation, localized construction emissions would not exceed the applicable SCAQMD LSTs for emissions of any criterial pollutant. Emissions associated with peak Phase 1 building construction, paving, and architectural coating and Phase 2 grading activities have been considered for purposes of the LST analysis, since these overlapping phases represent the maximum localized emissions that would occur. Any other construction phases of development that overlap would result in lesser emissions and consequently lesser impacts than what is disclosed herein. Outputs from the model runs for unmitigated construction LSTs are provided in Appendix 5.1. AERMOD modeling outputs for construction are provided in Appendix 5.5.

TABLE 5-10: LOCALIZED SIGNIFICANCE SUMMARY – PEAK CONSTRUCTION (WITH MITIGATION)

Peak Construction	CO		NO ₂	PM ₁₀	PM _{2.5}
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.03	0.01	1.23E-02	0.41	0.16
Background Concentration ^A	1.6	1.3	0.101		
Total Concentration	1.63	1.31	0.11	0.41	0.16
SCAQMD Localized Significance Threshold	20	9	0.18	10.4	10.4
Threshold Exceeded?	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data.

Note: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm

5.6 OPERATIONAL-SOURCE LOCALIZED EMISSIONS

The LST analysis generally includes on-site sources (area, energy, mobile – are previously discussed in Section 5.4 of this report). However, it should be noted that the CalEEMod outputs do not separate on-site and off-site emissions from mobile sources. It should be noted that the longest on-site distance is approximately 1.0 miles. As such, a separate CalEEMod run for operational LSTs has been prepared which accounts for the 1.0-mile on-site travel distance. Outputs from the model run for operational LSTs are provided in Appendix 5.4.

SUMMARY OF OPERATIONAL LST IMPACTS

The on-site operational emissions for NO_x, CO, PM₁₀, and PM_{2.5} are compared to the respective LSTs as previously shown in Table 4-5. As shown on Table 5-11 operational emissions will not exceed the LST thresholds. Therefore, the Project will have a less than significant localized impact during operational activity and no mitigation is required.

TABLE 5-11: LOCALIZED SIGNIFICANCE SUMMARY – OPERATION (PROJECT BUILDOUT)

Peak Operation	CO		NO ₂	PM ₁₀	PM _{2.5}
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	1.19E-01	9.06E-02	1.31E-02	1.98	0.81
Background Concentration ^A	1.6	1.3	0.101		
Total Concentration	1.72	1.39	0.11	1.98	0.81
SCAQMD Localized Significance Threshold	20	9	0.18	2.5	2.5
Threshold Exceeded?	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data.

Note: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm

5.7 CO “HOT SPOT” ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or “hotspots.” Further, detailed modeling of Project-specific CO “hotspots” is not needed to reach this conclusion. An adverse CO concentration, known as a “hot spot”, would occur if an exceedance of the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm were to occur. At the time of the SCAQMD’s *CEQA Air Quality Handbook (1993)* (*1993 CEQA Handbook*), the SCAB was designated nonattainment under the CAAQS and NAAQS for CO (42). The determination of a potential CO hotspot is focused on the mobile-source vehicular activity that would occur at intersections in the Project-area. Aircraft-related emissions are not concentrated enough, in a particular location such that they would have a propensity to result in a CO hotspot and therefore aircraft emissions are not a consideration in determining CO hotspots.

It has long been recognized that CO hotspots are caused by vehicular emissions, primarily when idling at congested intersections. In response, vehicle emissions standards have become increasingly stringent in the last twenty years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentration in the SCAB is now designated as attainment.

To establish a more accurate record of baseline CO concentrations affecting the SCAB, a CO “hot spot” analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. This “hot spot” analysis did not predict any violation of CO standards, as shown on Table 5-12.

TABLE 5-12: CO MODEL RESULTS

Intersection Location	CO Concentrations (ppm)		
	Morning 1-hour	Afternoon 1-hour	8-hour
Wilshire Boulevard/Veteran Avenue	4.6	3.5	3.7
Sunset Boulevard/Highland Avenue	4	4.5	3.5
La Cienega Boulevard/Century Boulevard	3.7	3.1	5.2
Long Beach Boulevard/Imperial Highway	3	3.1	8.4

Source: 2003 AQMP, Appendix V: Modeling and Attainment Demonstrations

Notes: Federal 1-hour standard is 35 ppm and the deferral 8-hour standard is 9.0 ppm.

Based on the SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of traffic volumes and congestion at a particular intersection. As evidence of this, for example, 8.4 ppm 8-hr CO concentration measured at the Long Beach Blvd. and Imperial Hwy. intersection (highest CO generating intersection within the “hot spot” analysis), only 0.7 ppm was attributable to the traffic volumes

and congestion at this intersection; the remaining 7.7 ppm were due to the ambient air measurements at the time the 2003 AQMP was prepared (43). In contrast, an adverse CO concentration, known as a “hot spot”, would occur if an exceedance of the state one-hour standard of 20 parts per million (ppm) or the eight-hour standard of 9 ppm were to occur.

The ambient 1-hr and 8-hr CO concentration within the Project study area is estimated to be 1.5 ppm and 1.2 ppm, respectively (data from I-10 Near Road station for 2020). Therefore, even if the traffic volumes for the proposed Project were double or even triple of the traffic volumes generated at the Long Beach Blvd. and Imperial Hwy. intersection, coupled with the on-going improvements in ambient air quality, the Project would not be capable of resulting in a CO “hot spot” at any study area intersections.

The 2003 AQMP, and as previously shown in Table 5-12, estimated that the 1-hour concentration for the Wilshire Boulevard and Veteran Avenue intersection was 4.6 ppm; this indicates that, should the daily traffic volume increase four times to 400,000 vehicles per day, CO concentrations (4.6 ppm x 4= 18.4 ppm) would still not likely exceed the most stringent 1-hour CO standard (20.0 ppm).¹⁶ The highest trips on a segment of road that the Project would generate is 73,850 vehicles per day on the I-15 Southbound (SB) Ramps and Galleano Ranch Road (4).

Traffic volumes generating the CO concentrations for the “hot spot” analysis is shown on Table 5-13. The busiest intersection evaluated for traffic volumes was at La Cienega Boulevard and Century Boulevard, which has a traffic volume of approximately 8,674 vph (43). As shown on Table 5-14, the highest trips on a segment of road for the proposed Project is 7,935 vph on Hamner Avenue and Ontario Ranch Road. As such, Project-related traffic volumes are less than the traffic volumes identified in the 2003 AQMP. The Project considered herein would not produce the volume of traffic required to generate a CO “hot spot” either in the context of the 2003 Los Angeles hot spot study or based on representative BAAQMD CO threshold considerations. Therefore, CO “hot spots” are not an environmental impact of concern for the Project.

TABLE 5-13: TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Eastbound (AM/PM)	Westbound (AM/PM)	Southbound (AM/PM)	Northbound (AM/PM)	Total (AM/PM)
Wilshire Boulevard/Veteran Avenue	4,954/2,069	1,830/3,317	721/1,400	560/933	8,062/7,719
Sunset Boulevard/Highland Avenue	1,417/1,764	1,342/1,540	2,304/1,832	1,551/2,238	6,614/5,374
La Cienega Boulevard/Century Boulevard	2,540/2,243	1,890/2,728	1,384/2,029	821/1,674	6,634/8,674
Long Beach Boulevard/Imperial Highway	1,217/2,020	1,760/1,400	479/944	756/1,150	4,212/5,514

¹⁶ Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm).

TABLE 5-14: OPENING YEAR CUMULATIVE (2027) WITH PROJECT TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Northbound (AM/PM)	Southbound (AM/PM)	Eastbound (AM/PM)	Westbound (AM/PM)	Total (AM/PM)
Hamner Ave. & Ontario Ranch Rd.	1,499/1,383	921/1,306	2,304/2,769	2,524/2,477	7,249/7,935
I-15 SB Ramps & Cantu Galleano Rd.	0/0	1,916/2,046	2,237/2,875	1,481/1,452	5,635/6,373
Haven Ave. & Ontario Ranch Rd.	730/457	1,412/1,654	1,494/2,065	1,998/2,052	5,634/6,227
Haven Ave. & SR-60 WB Ramps	2,654/1,610	1,346/2,462	0/0	909/885	4,910/4,956

5.8 AIR QUALITY MANAGEMENT PLANNING

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what used to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the SCAG, county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

In March 2017, the SCAQMD released the *2016 AQMP*. The *2016 AQMP* continues to evaluate current integrated strategies and control measures to meet the NAAQS, and to explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (44). Similar to the 2012 AQMP, the *2016 AQMP* incorporates scientific and technological information and planning assumptions, including the *RTP/SCS*, a planning document that supports the integration of land use and transportation to help the region meet the federal Clean Air Act requirements (19). The Project’s consistency with the AQMP will be determined using the *2016 AQMP* as discussed below.

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the *1993 CEQA Handbook* (45). These indicators are discussed below:

5.8.1 CONSISTENCY CRITERION No. 1

To be considered consistent with Criterion No. 1, the proposed Project would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to

new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

The violations that Consistency Criterion No. 1 refers to are the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if regional or localized significance thresholds were exceeded.

Construction Impacts – Consistency Criterion No. 1

Consistency Criterion No. 1 refers to violations of the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if LSTs or regional significance thresholds were exceeded. As evaluated, the Project’s regional construction emissions would exceed the applicable regional significance thresholds for emissions of VOCs, NO_x, and CO even after implementation of mitigation measures. Localized construction-source emissions would not exceed applicable LST thresholds. As such, even with implementation of mitigation measures, Project construction-source emissions would be significant and unavoidable. Project construction-source emissions would therefore conflict with Consistency Criterion 1.

Operational Impacts – Consistency Criterion No. 1

The Project would not exceed the applicable LSTs for operational activity. However, the Project’s operational-source emissions are anticipated to exceed the regional thresholds of significance for VOC, NO_x, CO, PM₁₀ and PM_{2.5} emissions. MM AQ-7 through MM AQ-20 are designed to reduce Project operational-source emissions. However, as there is no way to meaningfully quantify these reductions in CalEEMod, no emissions credit has been taken in the analysis. As such, even with application of MM AQ-7 through MM AQ-20, Project operational-source emissions impacts would be significant and unavoidable. Project operational-source emissions would therefore conflict with Consistency Criterion 1.

On the basis of the preceding discussion, the Project is determined to be inconsistent with Consistency Criterion No. 1.

5.8.2 CONSISTENCY CRITERION NO. 2

To be considered consistent with Criterion No. 2, the Project would not exceed the assumptions in the AQMP based on the years of Project build-out phase.

The 2016 AQMP demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the SCAG, which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in City of Ontario General Plan is considered to be consistent with the AQMP.

Construction Impacts – Consistency Criterion No. 2

The Project is consistent with TOP 2050, and therefore would not result in growth exceeding SCAG projections, or emissions attributable to growth projections modeled by SCAG. Moreover, peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance.

Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities. On this basis, Project construction-source emissions would not conflict with Criterion No. 2.

Operational Impacts – Consistency Criterion 2

General Plan Consistency

Uses proposed by the Project are allowed under the site's current General Plan (Policy Plan) Land Use designations. No General Plan Amendment (GPA) is required in conjunction with the Project. The Project would not result in growth or development not anticipated under the AQMP. Project operational-source emissions are reflected in the AQMP assumptions and would not result in AQMP inconsistencies.

Regional Plan Consistency

Development of the City pursuant to the General Plan is reflected in Southern California Association of Governments (SCAG) planning efforts and policies including: *The 2016 – 2040 Regional Transportation Plan/Sustainable Communities Strategy* (SCAG) April 2016 (2016 – 2040 RTP/SCS). Development of the City pursuant to the General Plan is also reflected in the recently-adopted 2020 – 2045 RTP/SCS (SCAG) September 2020 (Connect SoCal). The Project is consistent with the General Plan and by extension is reflected in SCAG planning efforts and policies.

The *Final 2008 Regional Comprehensive Plan* (SCAG) 2008 (2008 RCP) defines a vision for the SCAG region to be implemented under a strategic plan addressing the regions interrelated housing, traffic, water and air quality issues. The 2008 RCP does not mandate planning actions. SCAG does however request that local governments consider the 2008 RCP recommendations in developing or amending local plans, codes, design guidelines, and other related actions. SCAG promotes use of the 2008 RCP as an advisory policy document for voluntary use by local agencies. The Project does not propose or require actions that would somehow conflict with 2008 RCP advisory policies.

On this basis, Project operational-source emissions would not conflict with Criterion No. 2.

5.8.3 AQMP CONSISTENCY CONCLUSION

As presented above, the Project is consistent with AQMP Consistency Criteria No. 2, and in this respect would not conflict with the AQMP. However, Project construction-source emissions would exceed applicable SCAQMD regional thresholds for emissions of VOCs, NO_x, and CO. Operational-source emissions would exceed the applicable SCAQMD regional thresholds for VOCs, NO_x, CO, PM₁₀, and PM_{2.5}. As such, the Project would be inconsistent with AQMP Consistency Criteria No.1. On this basis, the Project would conflict with the AQMP.

5.9 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS

The potential impact of Project-generated air pollutant emissions on sensitive receptors has also been considered. Sensitive receptors can include uses such as long-term health care facilities,

rehabilitation centers, and retirement homes. Residences, schools, playgrounds, childcare centers, and athletic facilities can also be considered as sensitive receptors.

Results of the LST analysis indicate that the Project would not exceed the SCAQMD localized significance thresholds during construction. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations during Project construction.

Results of the LST analysis indicate that the Project would not exceed the SCAQMD localized significance thresholds during operational activity. Further Project traffic would not create or result in a CO “hotspot.” Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations as the result of Project operations.

5.11 ODORS

The potential for the Project to generate objectionable odors has also been considered. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the proposed Project construction would be less than significant and no mitigation is required (46).

According to the SCAQMD, land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants
- Food processing plants
- Chemical plants
- Composting operations
- Refineries
- Landfills
- Dairies
- Fiberglass molding facilities

The proposed Project does not include any uses identified by the SCAQMD as being associated with emitting objectionable odors. As the proposed Project operational activities do not include these sources of odors, potential odor impacts would be less than significant.

5.12 CUMULATIVE IMPACTS

As previously shown in Table 2-3, the CAAQS designate the SCAB as nonattainment for O₃, PM₁₀, and PM_{2.5} while the NAAQS designates the SCAB as nonattainment for O₃ and PM_{2.5}.

The SCAQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (47). In this report the SCAQMD clearly states (Page D-3):

...the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for TAC emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.

Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant.

Per the above White Paper guidance, less-than-significant air quality impacts at the Project-level are not cumulatively significant. Conversely, significant air quality impacts at the Project-level are cumulatively significant.

The South Coast Air Basin encompassing the Project site is designated as non-attainment for ozone, PM₁₀, and PM_{2.5} (VOC and NO_x are both ozone precursors; NO_x is a precursor to PM₁₀/PM_{2.5}). Project construction-source NO_x emissions regional threshold exceedances; and operational-source VOC, NO_x, PM₁₀, and PM_{2.5} emissions regional threshold exceedances would result in a cumulatively considerable net increase in criteria pollutants (ozone and PM₁₀/PM_{2.5}) for which the Project region is non-attainment. These are cumulatively significant air quality impacts.

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7 CERTIFICATIONS

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Rich-Haven Specific Plan, 2022 Amendment. The information contained in this air quality impact assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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Master of Science in Environmental Studies
California State University, Fullerton • May 2010

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PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
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PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – CARB • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 2.1:

STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS

APPENDIX C

***MAPS AND TABLES OF AREA DESIGNATIONS FOR
STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS***

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APPENDIX C

MAPS AND TABLES OF AREA DESIGNATIONS FOR STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS

This attachment fulfills the requirement of Health and Safety Code section 40718 for CARB to publish maps that identify areas where one or more violations of any State ambient air quality standard (State standard) or national ambient air quality standard (national standard) have been measured. The national standards are those promulgated under section 109 of the federal Clean Air Act (42 U.S.C. 7409).

This attachment is divided into three parts. The first part comprises a table showing the levels, averaging times, and measurement methods for each of the State and national standards. This is followed by a section containing maps and tables showing the area designations for each pollutant for which there is a State standard in the California Code of Regulations, title 17, section 70200. The last section contains maps and tables showing the most current area designations for the national standards.

Ambient Air Quality Standards

(Updated 5/4/16)

Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM ₁₀) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		—		
Fine Particulate Matter (PM _{2.5}) ⁹	24 Hour	—	—	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³	15 µg/m ³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—	—	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹¹	—	
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m ³		
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

See footnotes on next page ...

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above $150 \mu\text{g}/\text{m}^3$ is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from $15 \mu\text{g}/\text{m}^3$ to $12.0 \mu\text{g}/\text{m}^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at $35 \mu\text{g}/\text{m}^3$, as was the annual secondary standard of $15 \mu\text{g}/\text{m}^3$. The existing 24-hour PM10 standards (primary and secondary) of $150 \mu\text{g}/\text{m}^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ($1.5 \mu\text{g}/\text{m}^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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Area Designations for the State Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a State standard set forth in the California Code of Regulations, title 17, section 60200. Each area is identified as attainment, nonattainment, nonattainment-transitional, or unclassified for each pollutant, as shown below:

Attainment	A
Nonattainment	N
Nonattainment-Transitional	NA-T
Unclassified	U

In general, CARB designates areas by air basin for pollutants with a regional impact and by county for pollutants with a more local impact. However, when there are areas within an air basin or county with distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, CARB may designate a smaller area. Generally, when boundaries of the designated area differ from the air basin or county boundaries, the description of the specific area is referenced at the bottom of the summary table.

TABLE 1

**California Ambient Air Quality Standards
Area Designations for Ozone ⁽¹⁾**

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					NORTHEAST PLATEAU AIR BASIN				X
Alpine County			X		SACRAMENTO VALLEY AIR BASIN				
Inyo County	X				Colusa and Glenn Counties				X
Mono County	X				Sutter/Yuba Counties				
LAKE COUNTY AIR BASIN				X	Sutter Buttes	X			
LAKE TAHOE AIR BASIN				X	Remainder of Sutter County				X
MOJAVE DESERT AIR BASIN	X				Yuba County				X
MOUNTAIN COUNTIES AIR BASIN					Yolo/Solano Counties		X		
Amador County	X				Remainder of Air Basin	X			
Calaveras County	X				SALTON SEA AIR BASIN	X			
El Dorado County (portion)	X				SAN DIEGO AIR BASIN	X			
Mariposa County	X				SAN FRANCISCO BAY AREA AIR BASIN	X			
Nevada County	X				SAN JOAQUIN VALLEY AIR BASIN	X			
Placer County (portion)	X				SOUTH CENTRAL COAST AIR BASIN				
Plumas County			X		San Luis Obispo County	X			
Sierra County			X		Santa Barbara County		X		
Tuolumne County	X				Ventura County	X			
NORTH CENTRAL COAST AIR BASIN		X			SOUTH COAST AIR BASIN	X			
NORTH COAST AIR BASIN				X					

(1) AB 3048 (Olberg) and AB 2525 (Miller) signed into law in 1996, made changes to Health and Safety Code, section 40925.5. One of the changes allows nonattainment districts to become nonattainment-transitional for ozone by operation of law.

FIGURE 2

2018
Area Designations for State
Ambient Air Quality Standards
PM10



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 2

**California Ambient Air Quality Standards
Area Designation for Suspended Particulate Matter (PM10)**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN	X			NORTH CENTRAL COAST AIR BASIN	X		
LAKE COUNTY AIR BASIN			X	NORTH COAST AIR BASIN			
LAKE TAHOE AIR BASIN	X			Del Norte, Sonoma (portion) and Trinity Counties			X
MOJAVE DESERT AIR BASIN	X			Remainder of Air Basin	X		
MOUNTAIN COUNTIES AIR BASIN				NORTHEAST PLATEAU AIR BASIN			
Amador County		X		Siskiyou County			X
Calaveras County	X			Remainder of Air Basin		X	
El Dorado County (portion)	X			SACRAMENTO VALLEY AIR BASIN			
Mariposa County				Shasta County			X
- Yosemite National Park	X			Remainder of Air Basin	X		
- Remainder of County		X		SALTON SEA AIR BASIN	X		
Nevada County	X			SAN DIEGO AIR BASIN	X		
Placer County (portion)	X			SAN FRANCISCO BAY AREA AIR BASIN	X		
Plumas County	X			SAN JOAQUIN VALLEY AIR BASIN	X		
Sierra County	X			SOUTH CENTRAL COAST AIR BASIN	X		
Tuolumne County		X		SOUTH COAST AIR BASIN	X		

TABLE 3

**California Ambient Air Quality Standards
Area Designations for Fine Particulate Matter (PM2.5)**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SALTON SEA AIR BASIN			
LAKE COUNTY AIR BASIN			X	Imperial County			
LAKE TAHOE AIR BASIN			X	- City of Calexico (3)	X		
MOJAVE DESERT AIR BASIN				Remainder of Air Basin			X
San Bernardino County				SAN DIEGO AIR BASIN	X		
- County portion of federal Southeast Desert Modified AQMA for Ozone (1)			X	SAN FRANCISCO BAY AREA AIR BASIN	X		
				SAN JOAQUIN VALLEY AIR BASIN	X		
Remainder of Air Basin		X		SOUTH CENTRAL COAST AIR BASIN			
MOUNTAIN COUNTIES AIR BASIN				San Luis Obispo County			X
Plumas County				Santa Barbara County		X	
- Portola Valley (2)	X			Ventura County			X
Remainder of Air Basin		X		SOUTH COAST AIR BASIN	X		
NORTH CENTRAL COAST AIR BASIN			X				
NORTH COAST AIR BASIN			X				
NORTHEAST PLATEAU AIR BASIN			X				
SACRAMENTO VALLEY AIR BASIN							
Butte County	X						
Colusa County			X				
Glenn County			X				
Placer County (portion)			X				
Sacramento County			X				
Shasta County			X				
Sutter and Yuba Counties			X				
Remainder of Air Basin		X					

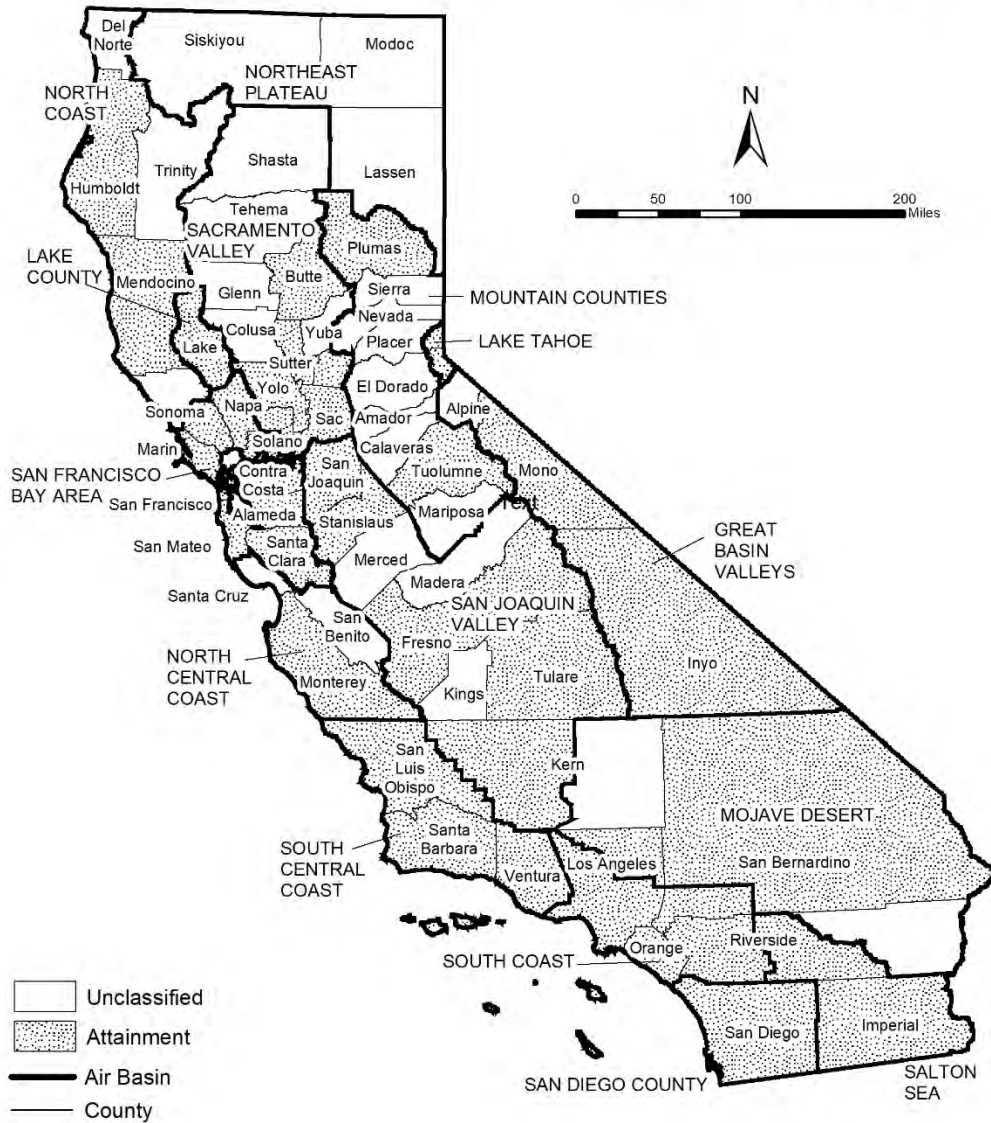
(1) California Code of Regulations, title 17, section 60200(b)

(2) California Code of Regulations, title 17, section 60200(c)

(3) California Code of Regulations, title 17, section 60200(a)

FIGURE 4

2018
Area Designations for State
Ambient Air Quality Standards
CARBON MONOXIDE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 4

**California Ambient Air Quality Standards
Area Designation for Carbon Monoxide***

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					SACRAMENTO VALLEY AIR BASIN				
Alpine County			X		Butte County				X
Inyo County				X	Colusa County			X	
Mono County				X	Glenn County			X	
LAKE COUNTY AIR BASIN				X	Placer County (portion)				X
LAKE TAHOE AIR BASIN				X	Sacramento County				X
MOJAVE DESERT AIR BASIN					Shasta County			X	
Kern County (portion)			X		Solano County (portion)				X
Los Angeles County (portion)				X	Sutter County				X
Riverside County (portion)			X		Tehama County			X	
San Bernardino County (portion)				X	Yolo County				X
MOUNTAIN COUNTIES AIR BASIN					Yuba County			X	
Amador County			X		SALTON SEA AIR BASIN				X
Calaveras County			X		SAN DIEGO AIR BASIN				X
El Dorado County (portion)			X		SAN FRANCISCO BAY AREA AIR BASIN				X
Mariposa County			X		SAN JOAQUIN VALLEY AIR BASIN				
Nevada County			X		Fresno County				X
Placer County (portion)			X		Kern County (portion)				X
Plumas County				X	Kings County			X	
Sierra County			X		Madera County			X	
Tuolumne County				X	Merced County			X	
NORTH CENTRAL COAST AIR BASIN					San Joaquin County				X
Monterey County				X	Stanislaus County				X
San Benito County			X		Tulare County				X
Santa Cruz County			X		SOUTH CENTRAL COAST AIR BASIN				X
NORTH COAST AIR BASIN					SOUTH COAST AIR BASIN				X
Del Norte County			X						
Humboldt County				X					
Mendocino County				X					
Sonoma County (portion)			X						
Trinity County			X						
NORTHEAST PLATEAU AIR BASIN			X						

* The area designated for carbon monoxide is a county or portion of a county

FIGURE 5

2018
Area Designations for State
Ambient Air Quality Standards
NITROGEN DIOXIDE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 5

**California Ambient Air Quality Standards
Area Designation for Nitrogen Dioxide**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SACRAMENTO VALLEY AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN DIEGO AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH COAST AIR BASIN			X	SOUTH COAST AIR BASIN			
NORTHEAST PLATEAU AIR BASIN			X	CA 60 Near-road Portion of San Bernardino, Riverside, and Los Angeles Counties	X		
				Remainder of Air Basin			X

FIGURE 6

2018
Area Designations for State
Ambient Air Quality Standards
SULFUR DIOXIDE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 6

**California Ambient Air Quality Standards
Area Designation for Sulfur Dioxide***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SALTON SEA AIR BASIN		X
LAKE TAHOE AIR BASIN		X	SAN DIEGO AIR BASIN		X
MOJAVE DESERT AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X			

* The area designated for sulfur dioxide is a county or portion of a county

FIGURE 7

2018
Area Designations for State
Ambient Air Quality Standards
SULFATES



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 7

**California Ambient Air Quality Standards
Area Designation for Sulfates**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SACRAMENTO VALLEY AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN DIEGO AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH COAST AIR BASIN			X	SOUTH COAST AIR BASIN			X
NORTHEAST PLATEAU AIR BASIN			X				

FIGURE 8

2018
Area Designations for State
Ambient Air Quality Standards
LEAD



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 8**California Ambient Air Quality Standards
Area Designations for Lead (particulate)***

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SAN DIEGO AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH COAST AIR BASIN			X
NORTH COAST AIR BASIN			X				
NORTHEAST PLATEAU AIR BASIN			X				
SACRAMENTO VALLEY AIR BASIN			X				

* The area designated for lead is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

FIGURE 9

2018
Area Designations for State
Ambient Air Quality Standards
HYDROGEN SULFIDE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 9

**California Ambient Air Quality Standards
Area Designation for Hydrogen Sulfide***

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					NORTH CENTRAL COAST AIR BASIN			X	
Alpine County			X		NORTH COAST AIR BASIN				
Inyo County				X	Del Norte County			X	
Mono County				X	Humboldt County				X
LAKE COUNTY AIR BASIN				X	Mendocino County			X	
LAKE TAHOE AIR BASIN			X		Sonoma County (portion)				
MOJAVE DESERT AIR BASIN					- Geyser Geothermal Area (2)				X
Kern County (portion)			X		- Remainder of County			X	
Los Angeles County (portion)			X		Trinity County			X	
Riverside County (portion)			X		NORTHEAST PLATEAU AIR BASIN			X	
San Bernardino County (portion)					SACRAMENTO VALLEY AIR BASIN			X	
- Searles Valley Planning Area (1)	X				SALTON SEA AIR BASIN			X	
- Remainder of County			X		SAN DIEGO AIR BASIN			X	
MOUNTAIN COUNTIES AIR BASIN					SAN FRANCISCO BAY AREA AIR BASIN			X	
Amador County					SAN JOAQUIN VALLEY AIR BASIN			X	
- City of Sutter Creek	X				SOUTH CENTRAL COAST AIR BASIN				
- Remainder of County			X		San Luis Obispo County				X
Calaveras County			X		Santa Barbara County				X
El Dorado County (portion)			X		Ventura County			X	
Mariposa County			X		SOUTH COAST AIR BASIN			X	
Nevada County			X						
Placer County (portion)			X						
Plumas County			X						
Sierra County			X						
Tuolumne County			X						

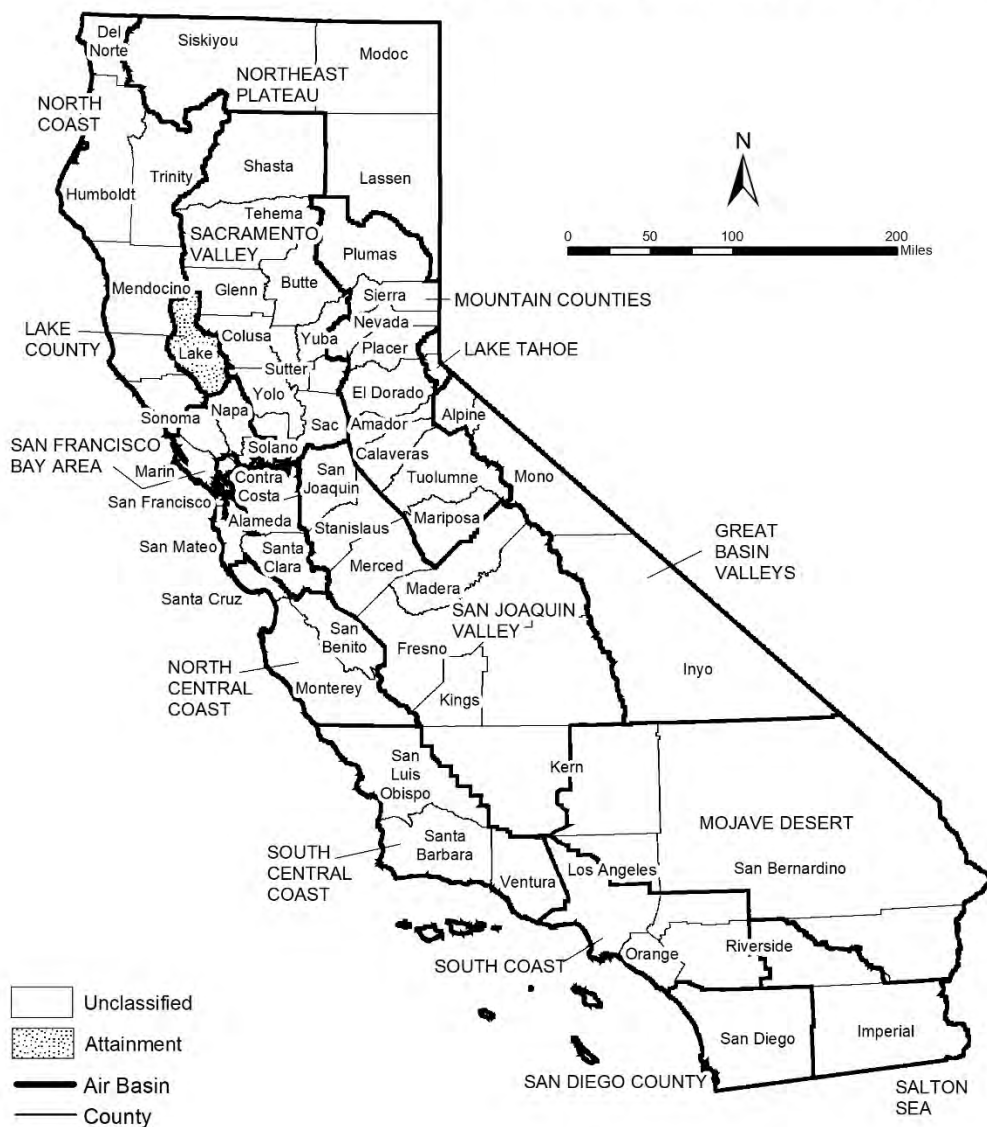
* The area designated for hydrogen sulfide is a county or portion of a county

(1) 52 Federal Register 29384 (August 7, 1987)

(2) California Code of Regulations, title 17, section 60200(d)

FIGURE 10

2018
Area Designations for State
Ambient Air Quality Standards
VISIBILITY REDUCING PARTICLES



Source Date:
 October 2018
 Air Quality Planning and Science Division

TABLE 10

**California Ambient Air Quality Standards
Area Designation for Visibility Reducing Particles**

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN			X		SACRAMENTO VALLEY AIR BASIN			X	
LAKE COUNTY AIR BASIN				X	SALTON SEA AIR BASIN			X	
LAKE TAHOE AIR BASIN			X		SAN DIEGO AIR BASIN			X	
MOJAVE DESERT AIR BASIN			X		SAN FRANCISCO BAY AREA AIR BASIN			X	
MOUNTAIN COUNTIES AIR BASIN			X		SAN JOAQUIN VALLEY AIR BASIN			X	
NORTH CENTRAL COAST AIR BASIN			X		SOUTH CENTRAL COAST AIR BASIN			X	
NORTH COAST AIR BASIN			X		SOUTH COAST AIR BASIN			X	
NORTHEAST PLATEAU AIR BASIN			X						

Area Designations for the National Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a national ambient air quality standard. Additional information about the federal area designations is available on the U.S. EPA website:

<https://www.epa.gov/green-book>

Over the last several years, U.S. EPA has been reviewing the levels of the various national standards. The agency has already promulgated new standard levels for some pollutants and is considering revising the levels for others. Information about the status of these reviews is available on the U.S. EPA website:

<https://www.epa.gov/criteria-air-pollutants>

Designation Categories

Suspended Particulate Matter (PM₁₀). The U.S. EPA uses three categories to designate areas with respect to PM₁₀:

- Attainment
- Nonattainment
- Unclassifiable

Ozone, Fine Suspended Particulate Matter (PM_{2.5}), Carbon Monoxide (CO), and Nitrogen Dioxide (NO₂). The U.S. EPA uses two categories to designate areas with respect to these standards:

- Nonattainment
- Unclassifiable/Attainment

The national 1-hour ozone standard was revoked effective June 15, 2005, and the area designations map reflects the 2015 national 8-hour ozone standard of 0.070 ppm. Original designations were finalized on August 3, 2018.

On December 14, 2012, the U.S. EPA established a new national annual primary PM_{2.5} standard of 12.0 µg/m³. New area designations reflecting this revised standard became final in December 2014. The current designation map reflects the most recently revised (2012) annual average standard of 12.0 µg/m³ as well as the 24-hour standard of 35 µg/m³, revised in 2006.

On January 22, 2010, the U.S. EPA established a new national 1-hour NO₂ standard of 100 parts per billion (ppb) and retained the annual average standard of 53 ppb. Designations for the primary NO₂ standard became effective on February 29, 2012. All areas of California meet this standard.

Sulfur Dioxide (SO₂). The U.S. EPA uses three categories to designate areas with respect to the 24-hour and annual average sulfur dioxide standards. These designation categories are:

- Nonattainment,
- Unclassifiable, and
- Attainment/Unclassifiable.

On June 2, 2010, the U.S. EPA established a new primary 1-hour SO₂ standard of 75 parts per billion (ppb). At the same time, U.S. EPA revoked the 24-hour and annual

average standards. Area designations for the 1-hour SO₂ standard were finalized on December 21, 2017 and are reflected in the area designations map.

Lead (particulate). The U.S. EPA promulgated a new rolling 3-month average lead standard in October 2008 of 0.15 µg/m³. Designations were made for this standard in November 2010.

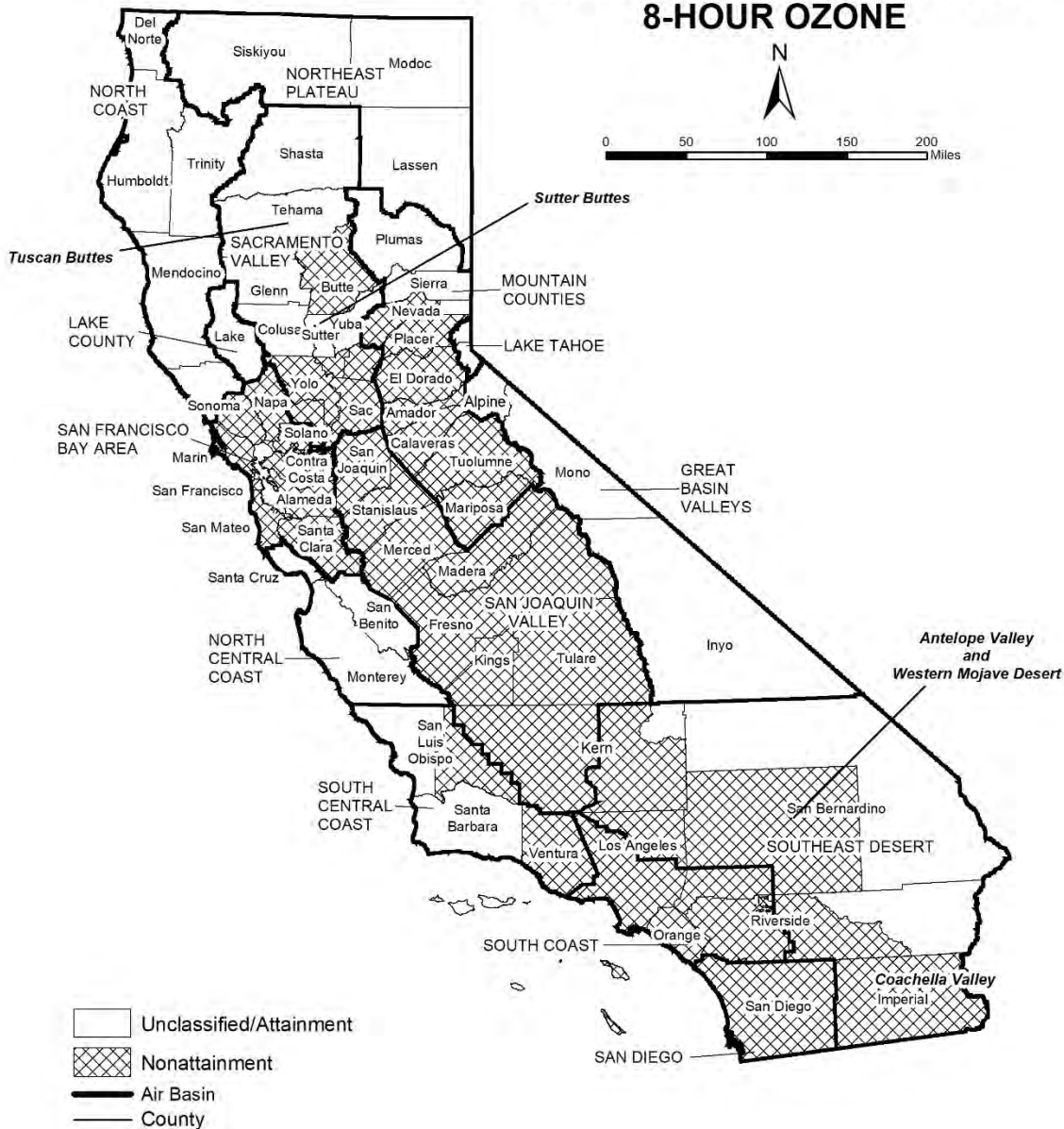
Designation Areas

From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. CARB generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations. For purposes of consistency, the maps in this attachment reflect area designation boundaries and nomenclature as promulgated by the U.S. EPA. In some cases, these may not be the same as those adopted by CARB. For example, the national area designations reflect the former Southeast Desert Air Basin. In accordance with Health and Safety Code section 39606.1, CARB redefined this area in 1996 to be the Mojave Desert Air Basin and Salton Sea Air Basin. The definitions and boundaries for all areas designated for the national standards can be found in Title 40, Code of Federal Regulations (CFR), Chapter I, Subchapter C, Part 81.305. They are available on the web at:

https://ecfr.io/Title-40/se40.20.81_1305

FIGURE 11

Area Designations for National Ambient Air Quality Standards 8-HOUR OZONE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 11

**National Ambient Air Quality Standards
Area Designations for 8-Hour Ozone***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN (cont.)		
LAKE COUNTY AIR BASIN		X	Yolo County (2)	X	
LAKE TAHOE AIR BASIN		X	Yuba County		X
MOUNTAIN COUNTIES AIR BASIN			SAN DIEGO COUNTY	X	
Amador County	X		SAN FRANCISCO BAY AREA AIR BASIN	X	
Calaveras County	X		SAN JOAQUIN VALLEY AIR BASIN	X	
El Dorado County (portion) (2)	X		SOUTH CENTRAL COAST AIR BASIN (1)		
Mariposa County	X		San Luis Obispo County		
Nevada County			- Eastern San Luis Obispo County	X	
- Western Nevada County	X		- Remainder of County		X
- Remainder of County		X	Santa Barbara County		X
Placer County (portion) (2)	X		Ventura County		
Plumas County		X	- Area excluding Anacapa and San Nicolas Islands	X	
Sierra County		X	- Channel Islands (1)		X
Tuolumne County	X		SOUTH COAST AIR BASIN (1)	X	
NORTH CENTRAL COAST AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		
NORTH COAST AIR BASIN		X	Kern County (portion)	X	
NORTHEAST PLATEAU AIR BASIN		X	- Indian Wells Valley		X
SACRAMENTO VALLEY AIR BASIN			Imperial County	X	
Butte County	X		Los Angeles County (portion)	X	
Colusa County		X	Riverside County (portion)		
Glenn County		X	- Coachella Valley	X	
Sacramento Metro Area (2)	X		- Non-AQMA portion		X
Shasta County		X	San Bernardino County		
Sutter County			- Western portion (AQMA)	X	
- Sutter Buttes	X		- Eastern portion (non-AQMA)		X
- Southern portion of Sutter County (2)	X				
- Remainder of Sutter County		X			
Tehama County					
- Tuscan Buttes	X				
- Remainder of Tehama County		X			

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2015 8-hour ozone standard of 0.070 ppm.

(1) South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa and San Nicolas Islands.

South Coast Air Basin:

Los Angeles County includes San Clemente and Santa Catalina Islands.

(2) For this purpose, the Sacramento Metro Area comprises all of Sacramento and Yolo Counties, the Sacramento Valley Air Basin portion of Solano County, the southern portion of Sutter County, and the Sacramento Valley and Mountain Counties Air Basins portions of Placer and El Dorado counties.

FIGURE 12

Area Designations for National Ambient Air Quality Standards PM10

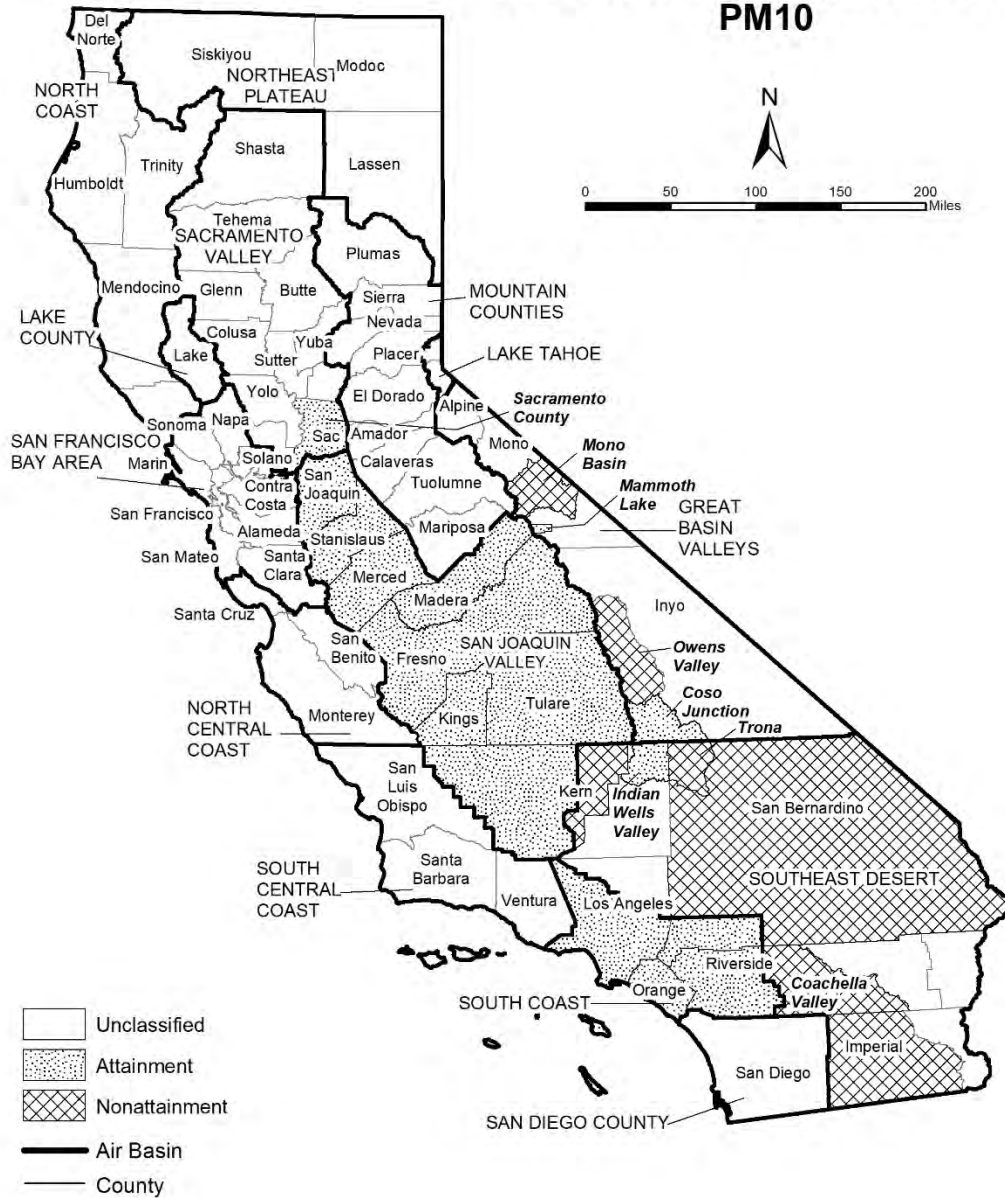


TABLE 12

**National Ambient Air Quality Standards
Area Designations for Suspended Particulate Matter (PM10)***

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN				SAN DIEGO COUNTY		X	
Alpine County		X		SAN FRANCISCO BAY AREA AIR BASIN		X	
Inyo County				SAN JOAQUIN VALLEY AIR BASIN			X
- Owens Valley Planning Area	X			SOUTH CENTRAL COAST AIR BASIN		X	
- Coso Junction			X	SOUTH COAST AIR BASIN			X
- Remainder of County		X		SOUTHEAST DESERT AIR BASIN			
Mono County				Eastern Kern County			
- Mammoth Lake Planning Area			X	- Indian Wells Valley			X
- Mono Lake Basin	X			- Portion within San Joaquin Valley Planning Area	X		
- Remainder of County		X		- Remainder of County		X	
LAKE COUNTY AIR BASIN		X		Imperial County			
LAKE TAHOE AIR BASIN		X		- Imperial Valley Planning Area	X		
MOUNTAIN COUNTIES AIR BASIN				- Remainder of County		X	
Placer County (portion) (2)		X		Los Angeles County (portion)		X	
Remainder of Air Basin		X		Riverside County (portion)			
NORTH CENTRAL COAST AIR BASIN		X		- Coachella Valley (3)	X		
NORTH COAST AIR BASIN		X		- Non-AQMA portion		X	
NORTHEAST PLATEAU AIR BASIN		X		San Bernardino County			
SACRAMENTO VALLEY AIR BASIN				- Trona	X		
Butte County		X		- Remainder of County	X		
Colusa County		X					
Glenn County		X					
Placer County (portion) (2)		X					
Sacramento County (1)			X				
Shasta County		X					
Solano County (portion)		X					
Sutter County		X					
Tehama County		X					
Yolo County		X					
Yuba County		X					

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

(1) Air quality in Sacramento County meets the national PM10 standards. The request for redesignation to attainment was approved by U.S. EPA in September 2013.

(2) U.S. EPA designation puts the Sacramento Valley Air Basin portion of Placer County in the Mountain Counties Air Basin.

(3) Air quality in Coachella Valley meets the national PM10 standards. A request for redesignation to attainment has been submitted to U.S. EPA.

TABLE 13

**National Ambient Air Quality Standards
Area Designations for Fine Particulate Matter (PM2.5)***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE COUNTY AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN (2)	X	
LAKE TAHOE AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN	X	
MOUNTAIN COUNTIES AIR BASIN			SOUTH CENTRAL COAST AIR BASIN		X
Plumas County			SOUTH COAST AIR BASIN (3)	X	
- Portola Valley Portion of Plumas	X		SOUTHEAST DESERT AIR BASIN		
- Remainder of Plumas County		X	Imperial County (portion) (4)	X	
Remainder of Air Basin		X	Remainder of Air Basin		X
NORTH CENTRAL COAST AIR BASIN		X			
NORTH COAST AIR BASIN		X			
NORTHEAST PLATEAU AIR BASIN		X			
SACRAMENTO VALLEY AIR BASIN					
Sacramento Metro Area (1)	X				
Sutter County		X			
Yuba County (portion)		X			
Remainder of Air Basin		X			

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305. This map reflects the 2006 24-hour PM2.5 standard as well as the 1997 and 2012 PM2.5 annual standards.

(1) For this purpose, Sacramento Metro Area comprises all of Sacramento and portions of El Dorado, Placer, Solano, and Yolo Counties. Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

(2) Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

(3) Those lands of the Santa Rosa Band of Cahulla Mission Indians in Riverside County are designated Unclassifiable/Attainment.

(4) That portion of Imperial County encompassing the urban and surrounding areas of Brawley, Calexico, El Centro, Heber, Holtville, Imperial, Seeley, and Westmorland. Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

FIGURE 14

**Area Designations for National Ambient Air Quality Standards
CARBON MONOXIDE**



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 14**National Ambient Air Quality Standards
Area Designations for Carbon Monoxide***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE TAHOE AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

FIGURE 15

Area Designations for National Ambient Air Quality Standards NITROGEN DIOXIDE



TABLE 15**National Ambient Air Quality Standards
Area Designations for Nitrogen Dioxide***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE TAHOE AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

FIGURE 16

Area Designations for National Ambient Air Quality Standards SULFUR DIOXIDE



Source Date:
 October 2018
 Air Quality Planning and Science Division

TABLE 16

**National Ambient Air Quality Standards
Area Designations for Sulfur Dioxide***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		
LAKE COUNTY AIR BASIN		X	San Luis Obispo County		X
LAKE TAHOE AIR BASIN		X	Santa Barbara County		X
MOUNTAIN COUNTIES AIR BASIN		X	Ventura County		X
NORTH CENTRAL COAST AIR BASIN		X	Channel Islands (1)		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		
SACRAMENTO VALLEY AIR BASIN		X	Imperial County		X
SAN DIEGO COUNTY		X	Remainder of Air Basin		X
SAN FRANCISCO BAY AREA AIR BASIN		X			
SAN JOAQUIN VALLEY AIR BASIN					
Fresno County		X			
Kern County (portion)		X			
Kings County		X			
Madera County		X			
Merced County		X			
San Joaquin County		X			
Stanislaus County		X			
Tulare County		X			

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2010 1-hour SO₂ standard of 75 ppb.

(1) South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa and San Nicolas Islands.

Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County, and therefore, are included as part of the South Coast Air Basin.

FIGURE 17

Area Designations for National Ambient Air Quality Standards LEAD



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 17

**National Ambient Air Quality Standards
Area Designations for Lead (particulate)**

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE COUNTY AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
LAKE TAHOE AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH COAST AIR BASIN		
NORTH COAST AIR BASIN		X	Los Angeles County (portion) (1)	X	
NORTHEAST PLATEAU AIR BASIN		X	Remainder of Air Basin		X
SACRAMENTO VALLEY AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

(1) Portion of County in Air Basin, not including Channel Islands

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APPENDIX 5.1:

CALEEMOD CONSTRUCTION EMISSIONS MODEL OUTPUTS – WITHOUT MITIGATION

14822 Rich Haven Ph1 Construction Unmitigated Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2023) - Unmitigated

3.3. Grading (2023) - Unmitigated

3.5. Building Construction (2023) - Unmitigated

3.7. Building Construction (2024) - Unmitigated

3.9. Paving (2024) - Unmitigated

3.11. Architectural Coating (2024) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14822 Rich Haven Ph1 Construction Unmitigated
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.01192837529811, -117.57074736445445
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5261
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	317	1000sqft	7.27	316,725	0.00	—	—	—
Refrigerated Warehouse-No Rail	454	1000sqft	10.4	454,244	0.00	—	—	—

Unrefrigerated Warehouse-No Rail	1,996	1000sqft	45.8	1,996,180	531,432	—	—	—
Condo/Townhouse	3,289	Dwelling Unit	106	3,486,340	1,045,440	—	10,887	—
Single Family Housing	822	Dwelling Unit	72.5	1,602,900	631,620	—	2,721	—
Strip Mall	7.50	1000sqft	0.17	7,500	4,356	—	—	—
Gasoline/Service Station	48.0	Pump	0.16	6,776	0.00	—	—	—
Regional Shopping Center	162	1000sqft	3.72	162,137	109,336	—	—	—
High Turnover (Sit Down Restaurant)	32.4	1000sqft	0.74	32,427	0.00	—	—	—
Fast Food Restaurant with Drive Thru	21.6	1000sqft	0.50	21,618	0.00	—	—	—
Parking Lot	58.0	Acre	58.0	0.00	0.00	—	—	—
City Park	1.30	Acre	1.30	0.00	56,628	56,628	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	36.9	286	147	484	0.25	7.66	65.7	68.8	7.05	15.6	18.5	—	96,362	96,362	4.59	4.79	314	98,220

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	35.6	285	147	387	0.25	7.66	65.7	68.8	7.05	15.6	18.5	—	90,733	90,733	4.69	4.79	8.15	92,287
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.5	186	95.8	269	0.16	4.44	45.5	47.2	4.09	10.8	12.3	—	62,486	62,486	3.23	3.38	95.4	63,670
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.28	33.9	17.5	49.1	0.03	0.81	8.31	8.61	0.75	1.97	2.25	—	10,345	10,345	0.53	0.56	15.8	10,541

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	18.4	15.1	147	122	0.25	7.66	19.0	26.6	7.05	8.58	15.6	—	29,743	29,743	1.59	1.48	27.8	30,251
2024	36.9	286	105	484	0.24	3.14	65.7	68.8	2.90	15.6	18.5	—	96,362	96,362	4.59	4.79	314	98,220
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	28.7	24.4	147	323	0.25	7.66	55.0	57.0	7.05	13.1	15.6	—	76,040	76,040	4.18	4.36	7.50	77,450
2024	35.6	285	109	387	0.24	3.14	65.7	68.8	2.90	15.6	18.5	—	90,733	90,733	4.69	4.79	8.15	92,287
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	12.9	10.5	95.8	94.3	0.16	4.44	12.4	16.8	4.09	4.37	8.45	—	22,333	22,333	1.18	1.09	14.3	22,702
2024	23.5	186	66.6	269	0.15	1.68	45.5	47.2	1.56	10.8	12.3	—	62,486	62,486	3.23	3.38	95.4	63,670
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	2.35	1.92	17.5	17.2	0.03	0.81	2.26	3.07	0.75	0.80	1.54	—	3,698	3,698	0.20	0.18	2.38	3,759

2024	4.28	33.9	12.1	49.1	0.03	0.31	8.31	8.61	0.28	1.97	2.25	—	10,345	10,345	0.53	0.56	15.8	10,541
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3. Construction Emissions Details

3.1. Site Preparation (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	17.5	14.7	141	114	0.15	7.59	—	7.59	6.98	—	6.98	—	16,589	16,589	0.67	0.13	—	16,646
Dust From Material Movement:	—	—	—	—	—	—	17.0	17.0	—	8.06	8.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	17.5	14.7	141	114	0.15	7.59	—	7.59	6.98	—	6.98	—	16,589	16,589	0.67	0.13	—	16,646
Dust From Material Movement:	—	—	—	—	—	—	17.0	17.0	—	8.06	8.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	4.07	3.42	32.8	26.5	0.04	1.77	—	1.77	1.63	—	1.63	—	3,863	3,863	0.16	0.03	—	3,877
Dust From Material Movement	—	—	—	—	—	—	3.96	3.96	—	1.88	1.88	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	5.99	4.84	0.01	0.32	—	0.32	0.30	—	0.30	—	640	640	0.03	0.01	—	642
Dust From Material Movement	—	—	—	—	—	—	0.72	0.72	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.29	0.28	4.86	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	771	771	0.03	0.03	3.31	783
Vendor	0.54	0.14	5.72	3.08	0.03	0.07	0.27	0.34	0.07	0.10	0.17	—	4,817	4,817	0.40	0.71	13.3	5,052
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.32	3.65	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	707	707	0.03	0.03	0.09	715
Vendor	0.53	0.13	5.94	3.13	0.03	0.07	0.27	0.34	0.07	0.10	0.17	—	4,819	4,819	0.40	0.71	0.35	5,042
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.90	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	167	167	0.01	0.01	0.33	169

Vendor	0.13	0.03	1.39	0.72	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,122	1,122	0.09	0.17	1.34	1,175
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	27.6	27.6	< 0.005	< 0.005	0.06	28.0
Vendor	0.02	0.01	0.25	0.13	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	186	186	0.02	0.03	0.22	195
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	15.0	12.6	123	98.0	0.19	5.87	—	5.87	5.40	—	5.40	—	20,146	20,146	0.82	0.16	—	20,215
Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	15.0	12.6	123	98.0	0.19	5.87	—	5.87	5.40	—	5.40	—	20,146	20,146	0.82	0.16	—	20,215
Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.32	5.31	51.8	41.4	0.08	2.48	—	2.48	2.28	—	2.28	—	8,500	8,500	0.34	0.07	—	8,529	
Dust From Material Movement	—	—	—	—	—	—	3.38	3.38	—	1.24	1.24	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	1.15	0.97	9.46	7.55	0.01	0.45	—	0.45	0.42	—	0.42	—	1,407	1,407	0.06	0.01	—	1,412	
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.23	0.23	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.36	0.33	0.32	5.55	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	881	881	0.04	0.03	3.78	895	
Vendor	0.98	0.24	10.3	5.58	0.06	0.12	0.49	0.62	0.12	0.19	0.31	—	8,715	8,715	0.73	1.29	24.1	9,140	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.34	0.31	0.37	4.18	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	808	808	0.04	0.03	0.10	818	
Vendor	0.97	0.23	10.7	5.66	0.06	0.12	0.49	0.62	0.12	0.19	0.31	—	8,719	8,719	0.73	1.29	0.63	9,122	

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.16	1.86	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	346	346	0.02	0.01	0.69	350	
Vendor	0.41	0.10	4.56	2.37	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,678	3,678	0.31	0.54	4.40	3,851	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.03	0.02	0.03	0.34	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	57.2	57.2	< 0.005	< 0.005	0.11	58.0	
Vendor	0.07	0.02	0.83	0.43	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	609	609	0.05	0.09	0.73	638	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

3.5. Building Construction (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.86	4.07	38.4	42.9	0.08	1.79	—	1.79	1.65	—	1.65	—	7,890	7,890	0.32	0.06	—	7,917
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.25	2.33	2.60	< 0.005	0.11	—	0.11	0.10	—	0.10	—	479	479	0.02	< 0.005	—	480
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.43	0.47	< 0.005	0.02	—	0.02	0.02	—	0.02	—	79.2	79.2	< 0.005	< 0.005	—	79.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	22.0	19.9	23.9	270	0.00	0.00	3.16	3.16	0.00	0.00	0.00	—	52,139	52,139	2.52	1.92	6.35	52,781
Vendor	1.77	0.42	19.7	10.4	0.11	0.23	0.91	1.14	0.23	0.34	0.57	—	16,011	16,011	1.34	2.37	1.15	16,752
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.33	1.20	1.45	17.3	0.00	0.00	0.19	0.19	0.00	0.00	0.00	—	3,208	3,208	0.15	0.12	6.41	3,253
Vendor	0.11	0.03	1.21	0.63	0.01	0.01	0.06	0.07	0.01	0.02	0.03	—	971	971	0.08	0.14	1.16	1,017
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.22	0.27	3.16	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	531	531	0.03	0.02	1.06	539
Vendor	0.02	< 0.005	0.22	0.11	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	161	161	0.01	0.02	0.19	168
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.64	3.89	36.5	42.7	0.08	1.61	—	1.61	1.48	—	1.48	—	7,891	7,891	0.32	0.06	—	7,918
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.64	3.89	36.5	42.7	0.08	1.61	—	1.61	1.48	—	1.48	—	7,891	7,891	0.32	0.06	—	7,918
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.33	2.78	26.2	30.6	0.05	1.16	—	1.16	1.06	—	1.06	—	5,652	5,652	0.23	0.05	—	5,671
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.51	4.77	5.58	0.01	0.21	—	0.21	0.19	—	0.19	—	936	936	0.04	0.01	—	939
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	22.2	20.3	18.8	328	0.00	0.00	3.16	3.16	0.00	0.00	0.00	—	55,768	55,768	2.35	1.92	223	56,622
Vendor	1.68	0.45	18.2	9.74	0.11	0.23	0.91	1.14	0.23	0.34	0.57	—	15,833	15,833	1.22	2.36	44.2	16,611
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	21.1	19.1	22.1	248	0.00	0.00	3.16	3.16	0.00	0.00	0.00	—	51,115	51,115	2.43	1.92	5.78	51,755
Vendor	1.65	0.42	18.9	9.88	0.11	0.23	0.91	1.14	0.23	0.34	0.57	—	15,840	15,840	1.22	2.36	1.14	16,575
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	15.0	13.5	15.8	186	0.00	0.00	2.26	2.26	0.00	0.00	0.00	—	37,129	37,129	1.74	1.38	68.9	37,652
Vendor	1.19	0.31	13.6	7.04	0.08	0.16	0.65	0.81	0.16	0.24	0.41	—	11,342	11,342	0.87	1.69	13.6	11,882
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.73	2.47	2.89	34.0	0.00	0.00	0.41	0.41	0.00	0.00	0.00	—	6,147	6,147	0.29	0.23	11.4	6,234
Vendor	0.22	0.06	2.49	1.28	0.01	0.03	0.12	0.15	0.03	0.04	0.07	—	1,878	1,878	0.14	0.28	2.25	1,967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	2.55	23.4	30.1	0.04	1.17	—	1.17	1.07	—	1.07	—	4,535	4,535	0.18	0.04	—	4,550
Paving	—	1.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	2.55	23.4	30.1	0.04	1.17	—	1.17	1.07	—	1.07	—	4,535	4,535	0.18	0.04	—	4,550
Paving	—	1.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.61	5.59	7.17	0.01	0.28	—	0.28	0.26	—	0.26	—	1,081	1,081	0.04	0.01	—	1,085
Paving	—	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.02	1.31	< 0.005	0.05	—	0.05	0.05	—	0.05	—	179	179	0.01	< 0.005	—	180
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.24	0.22	3.81	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	648	648	0.03	0.02	2.59	658
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.26	2.88	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	594	594	0.03	0.02	0.07	601

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.72	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	144	144	0.01	0.01	0.27	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	23.8	23.8	< 0.005	< 0.005	0.04	24.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	0.55	3.63	4.59	0.01	0.13	—	0.13	0.12	—	0.12	—	534	534	0.02	< 0.005	—	536
Architect ural Coatings	—	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	0.55	3.63	4.59	0.01	0.13	—	0.13	0.12	—	0.12	—	534	534	0.02	< 0.005	—	536

Architect Coatings	—	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	2.38	3.00	< 0.005	0.08	—	0.08	0.08	—	0.08	—	350	350	0.01	< 0.005	—	351
Architect ural Coatings	—	165	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.43	0.55	< 0.005	0.02	—	0.02	0.01	—	0.01	—	57.9	57.9	< 0.005	< 0.005	—	58.1
Architect ural Coatings	—	30.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.44	4.06	3.76	65.5	0.00	0.00	0.63	0.63	0.00	0.00	0.00	—	11,154	11,154	0.47	0.38	44.6	11,324
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.22	3.82	4.42	49.5	0.00	0.00	0.63	0.63	0.00	0.00	0.00	—	10,223	10,223	0.49	0.38	1.16	10,351
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.74	2.48	2.90	34.1	0.00	0.00	0.41	0.41	0.00	0.00	0.00	0.00	—	6,789	6,789	0.32	0.25	12.6	6,884
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.45	0.53	6.22	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.00	—	1,124	1,124	0.05	0.04	2.09	1,140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2023	4/30/2023	5.00	85.0	—
Grading	Grading	5/1/2023	11/30/2023	5.00	154	—

Building Construction	Building Construction	12/1/2023	12/31/2024	5.00	283	—
Paving	Paving	9/1/2024	12/31/2024	5.00	87.0	—
Architectural Coating	Architectural Coating	2/1/2024	12/31/2024	5.00	239	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	9.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	6.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	3.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	6.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Average	3.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	9.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	3.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	9.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	6.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	6.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	6.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Average	12.0	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Average	6.00	8.00	87.0	0.43

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	52.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	152	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	275	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	3,874	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	505	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	45.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	775	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	10,305,711	3,435,237	4,496,411	1,498,804	151,589

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	1,700	0.00	—
Grading	—	—	3,080	0.00	—
Paving	0.00	0.00	0.00	0.00	67.1

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Refrigerated Warehouse-No Rail	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%

Condo/Townhouse	—	0%
Single Family Housing	9.06	0%
Strip Mall	0.00	0%
Gasoline/Service Station	0.00	0%
Regional Shopping Center	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
Parking Lot	58.0	100%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0	annual days of extreme heat
Extreme Precipitation	3.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	84.6
AQ-PM	95.6
AQ-DPM	57.0
Drinking Water	93.3
Lead Risk Housing	7.89
Pesticides	64.8
Toxic Releases	71.4
Traffic	14.2
Effect Indicators	—
CleanUp Sites	7.71
Groundwater	81.4
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	43.8
Solid Waste	35.7
Sensitive Population	—
Asthma	58.6
Cardio-vascular	79.3
Low Birth Weights	68.1
Socioeconomic Factor Indicators	—
Education	51.5
Housing	70.8

Linguistic	15.6
Poverty	40.3
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	50.9816502
Employed	66.62389324
Median HI	72.65494675
Education	—
Bachelor's or higher	43.46208136
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	93.63531374
Active commuting	23.14897985
Social	—
2-parent households	66.79070961
Voting	49.36481458
Neighborhood	—
Alcohol availability	65.76414731
Park access	55.29321186
Retail density	20.00513281
Supermarket access	52.71397408
Tree canopy	13.73027076

Housing	—
Homeownership	73.48902862
Housing habitability	38.94520724
Low-inc homeowner severe housing cost burden	67.22699859
Low-inc renter severe housing cost burden	48.14577185
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	44.20633902
Arthritis	84.5
Asthma ER Admissions	52.8
High Blood Pressure	89.6
Cancer (excluding skin)	77.2
Asthma	51.9
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	68.9
Life Expectancy at Birth	43.6
Cognitively Disabled	92.5
Physically Disabled	86.7
Heart Attack ER Admissions	10.7
Mental Health Not Good	52.8
Chronic Kidney Disease	85.5
Obesity	50.5
Pedestrian Injuries	19.6
Physical Health Not Good	65.0
Stroke	84.7
Health Risk Behaviors	—

Binge Drinking	15.4
Current Smoker	54.4
No Leisure Time for Physical Activity	62.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	87.4
English Speaking	59.0
Foreign-born	27.3
Outdoor Workers	53.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	70.3
Traffic Density	21.2
Traffic Access	23.0
Other Indices	—
Hardship	44.7
Other Decision Support	—
2016 Voting	55.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Acreage adjusted based on site plan
Construction: Construction Phases	Schedule adjusted based on data from the Project team.
Construction: Off-Road Equipment	Equipment based on data from the Project team.
Construction: Dust From Material Movement	Assumes 20 acres will be graded per day
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction.
Construction: Architectural Coatings	Project will use super-compliant coatings

14822 Rich Haven Ph2 Construction Unmitigated Detailed Report

Table of Contents

1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year, Unmitigated
3. Construction Emissions Details
 - 3.1. Demolition (2024) - Unmitigated
 - 3.3. Site Preparation (2024) - Unmitigated
 - 3.5. Grading (2024) - Unmitigated
 - 3.7. Grading (2025) - Unmitigated
 - 3.9. Building Construction (2025) - Unmitigated
 - 3.11. Building Construction (2026) - Unmitigated

3.13. Paving (2026) - Unmitigated

3.15. Architectural Coating (2026) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14822 Rich Haven Ph2 Construction Unmitigated
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.01284450351814, -117.57158813842331
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5261
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	603	Dwelling Unit	81.3	1,175,850	708,721	—	1,996	—
Condo/Townhouse	2,000	Dwelling Unit	55.9	2,120,000	242,283	—	6,620	—
City Park	27.0	Acre	27.0	0.00	1,176,120	1,176,120	—	—

Regional Shopping Center	526	1000sqft	12.1	525,990	342,382	—	—	—
High Turnover (Sit Down Restaurant)	105	1000sqft	2.42	105,198	0.00	—	—	—
Fast Food Restaurant with Drive Thru	70.1	1000sqft	1.61	70,132	0.00	—	—	—
Gasoline/Service Station	48.0	Pump	0.16	6,776	0.00	—	—	—
Parking Lot	54.5	Acre	54.5	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.3	199	130	248	0.21	6.78	32.3	34.7	6.24	8.35	14.6	—	51,709	51,709	2.35	2.23	127	52,561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.6	198	116	207	0.21	5.36	32.3	34.7	4.94	7.65	9.84	—	49,051	49,051	2.00	2.28	3.30	49,771
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.3	86.2	80.6	130	0.12	3.89	21.0	22.3	3.58	4.98	6.94	—	31,329	31,329	1.21	1.55	36.6	31,850

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.05	15.7	14.7	23.6	0.02	0.71	3.84	4.06	0.65	0.91	1.27	—	5,187	5,187	0.20	0.26	6.06	5,273

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	16.5	13.8	130	111	0.21	6.78	18.1	24.9	6.24	8.35	14.6	—	23,736	23,736	1.06	0.60	11.1	23,953
2025	14.7	12.6	101	195	0.21	4.59	26.7	28.2	4.23	6.34	7.73	—	41,436	41,436	1.96	2.03	118	42,209
2026	19.3	199	73.2	248	0.17	2.38	32.3	34.7	2.20	7.65	9.84	—	51,709	51,709	2.35	2.23	127	52,561
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	14.7	12.2	116	99.6	0.21	5.36	9.53	14.9	4.94	3.33	8.26	—	23,665	23,665	1.07	0.60	0.29	23,871
2025	14.1	12.0	101	158	0.21	4.59	26.7	28.2	4.23	6.34	7.73	—	39,212	39,212	2.00	2.03	3.07	39,870
2026	18.6	198	74.5	207	0.17	2.38	32.3	34.7	2.20	7.65	9.84	—	49,051	49,051	1.46	2.28	3.30	49,771
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	10.2	8.51	80.6	69.5	0.12	3.89	7.96	11.9	3.58	3.36	6.94	—	13,571	13,571	0.61	0.33	2.63	13,686
2025	9.86	8.28	48.6	101	0.11	1.80	14.9	16.7	1.66	3.78	5.44	—	24,512	24,512	1.21	1.11	25.6	24,900
2026	11.3	86.2	42.2	130	0.10	1.22	21.0	22.3	1.13	4.98	6.11	—	31,329	31,329	0.92	1.55	36.6	31,850
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.86	1.55	14.7	12.7	0.02	0.71	1.45	2.16	0.65	0.61	1.27	—	2,247	2,247	0.10	0.05	0.44	2,266
2025	1.80	1.51	8.87	18.4	0.02	0.33	2.72	3.04	0.30	0.69	0.99	—	4,058	4,058	0.20	0.18	4.24	4,122
2026	2.05	15.7	7.70	23.6	0.02	0.22	3.84	4.06	0.21	0.91	1.12	—	5,187	5,187	0.15	0.26	6.06	5,273

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.35	7.85	74.7	65.2	0.10	3.18	—	3.18	2.93	—	2.93	—	10,276	10,276	0.42	0.08	—	10,311
Demolition	—	—	—	—	—	—	0.30	0.30	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.67	1.40	13.3	11.6	0.02	0.57	—	0.57	0.52	—	0.52	—	1,830	1,830	0.07	0.01	—	1,836
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.26	2.43	2.12	< 0.005	0.10	—	0.10	0.10	—	0.10	—	303	303	0.01	< 0.005	—	304
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.26	2.88	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	594	594	0.03	0.02	0.07	601	
Vendor	0.11	0.03	1.24	0.65	0.01	0.01	0.06	0.07	0.01	0.02	0.04	—	1,035	1,035	0.08	0.15	0.07	1,083	
Hauling	0.05	0.01	0.48	0.26	< 0.005	0.01	0.03	0.04	< 0.005	0.01	0.01	—	374	374	0.04	0.06	0.02	393	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.04	0.04	0.05	0.54	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	107	107	0.01	< 0.005	0.20	109	
Vendor	0.02	< 0.005	0.22	0.11	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	184	184	0.01	0.03	0.22	193	
Hauling	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	66.6	66.6	0.01	0.01	0.06	70.0	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.01	0.01	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	17.8	17.8	< 0.005	< 0.005	0.03	18.0	
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	30.5	30.5	< 0.005	< 0.005	0.04	32.0	
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	0.01	11.6	

3.3. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	16.0	13.5	128	106	0.15	6.75	—	6.75	6.21	—	6.21	—	16,588	16,588	0.67	0.13	—	16,644
Dust From Material Movement:	—	—	—	—	—	—	17.0	17.0	—	8.06	8.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.84	4.06	38.4	31.9	0.05	2.04	—	2.04	1.87	—	1.87	—	4,999	4,999	0.20	0.04	—	5,016
Dust From Material Movement:	—	—	—	—	—	—	5.12	5.12	—	2.43	2.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	7.01	5.83	0.01	0.37	—	0.37	0.34	—	0.34	—	828	828	0.03	0.01	—	830
Dust From Material Movement:	—	—	—	—	—	—	0.93	0.93	—	0.44	0.44	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.25	4.44	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	756	756	0.03	0.03	3.02	767

Vendor	0.18	0.05	1.98	1.06	0.01	0.02	0.10	0.12	0.02	0.04	0.06	—	1,724	1,724	0.13	0.26	4.81	1,809
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.06	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	212	212	0.01	0.01	0.39	215
Vendor	0.05	0.01	0.62	0.32	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	520	520	0.04	0.08	0.62	544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.19	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	35.1	35.1	< 0.005	< 0.005	0.07	35.5
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	86.1	86.1	0.01	0.01	0.10	90.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	14.1	11.8	113	94.1	0.19	5.32	—	5.32	4.90	—	4.90	—	20,145	20,145	0.82	0.16	—	20,214
Dust From Material Movement	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	14.1	11.8	113	94.1	0.19	5.32	—	5.32	4.90	—	4.90	—	20,145	20,145	0.82	0.16	—	20,214
Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.36	2.82	26.9	22.5	0.04	1.27	—	1.27	1.17	—	1.17	—	4,810	4,810	0.20	0.04	—	4,826
Dust From Material Movement:	—	—	—	—	—	—	1.91	1.91	—	0.70	0.70	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.52	4.91	4.10	0.01	0.23	—	0.23	0.21	—	0.21	—	796	796	0.03	0.01	—	799
Dust From Material Movement:	—	—	—	—	—	—	0.35	0.35	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.31	0.29	5.08	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	864	864	0.04	0.03	3.45	877

Vendor	0.29	0.08	3.13	1.68	0.02	0.04	0.16	0.20	0.04	0.06	0.10	—	2,728	2,728	0.21	0.41	7.61	2,862
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.30	0.34	3.84	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	792	792	0.04	0.03	0.09	802
Vendor	0.28	0.07	3.26	1.70	0.02	0.04	0.16	0.20	0.04	0.06	0.10	—	2,729	2,729	0.21	0.41	0.20	2,856
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.96	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	192	192	0.01	0.01	0.36	194
Vendor	0.07	0.02	0.78	0.40	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	651	651	0.05	0.10	0.78	682
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	31.7	31.7	< 0.005	< 0.005	0.06	32.2
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	108	108	0.01	0.02	0.13	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	12.7	10.7	97.8	88.3	0.19	4.55	—	4.55	4.19	—	4.19	—	20,146	20,146	0.82	0.16	—	20,215

Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	12.7	10.7	97.8	88.3	0.19	4.55	—	4.55	4.19	—	4.19	—	20,146	20,146	0.82	0.16	—	20,215
Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.99	2.51	23.0	20.7	0.04	1.07	—	1.07	0.98	—	0.98	—	4,731	4,731	0.19	0.04	—	4,747
Dust From Material Movement:	—	—	—	—	—	—	1.88	1.88	—	0.69	0.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	4.19	3.78	0.01	0.20	—	0.20	0.18	—	0.18	—	783	783	0.03	0.01	—	786
Dust From Material Movement:	—	—	—	—	—	—	0.34	0.34	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.28	0.26	4.67	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	845	845	0.04	0.03	3.14	858
Vendor	0.27	0.08	2.98	1.61	0.02	0.04	0.16	0.20	0.04	0.06	0.10	—	2,684	2,684	0.21	0.41	7.55	2,818
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.29	3.52	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	775	775	0.04	0.03	0.08	785
Vendor	0.26	0.07	3.11	1.62	0.02	0.04	0.16	0.20	0.04	0.06	0.10	—	2,685	2,685	0.21	0.41	0.20	2,812
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.87	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	185	185	0.01	0.01	0.32	187
Vendor	0.06	0.02	0.74	0.38	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	630	630	0.05	0.10	0.77	661
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	30.6	30.6	< 0.005	< 0.005	0.05	31.0
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	104	104	0.01	0.02	0.13	109
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	4.35	3.64	33.9	42.4	0.08	1.40	—	1.40	1.29	—	1.29	—	7,891	7,891	0.32	0.06	—	7,918
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.35	3.64	33.9	42.4	0.08	1.40	—	1.40	1.29	—	1.29	—	7,891	7,891	0.32	0.06	—	7,918
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.09	1.75	16.3	20.3	0.04	0.67	—	0.67	0.62	—	0.62	—	3,783	3,783	0.15	0.03	—	3,796
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	2.97	3.71	0.01	0.12	—	0.12	0.11	—	0.11	—	626	626	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.66	8.72	8.36	148	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	26,789	26,789	1.11	0.94	99.4	27,197
Vendor	0.67	0.19	7.50	4.06	0.05	0.10	0.39	0.49	0.10	0.15	0.25	—	6,756	6,756	0.52	1.02	19.0	7,093
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.12	8.17	9.22	112	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	24,561	24,561	1.15	0.94	2.57	24,873

Vendor	0.66	0.18	7.84	4.07	0.05	0.10	0.39	0.49	0.10	0.15	0.25	—	6,760	6,760	0.52	1.02	0.49	7,078
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.33	3.86	4.79	56.5	0.00	0.00	0.74	0.74	0.00	0.00	0.00	—	11,942	11,942	0.55	0.45	20.6	12,111
Vendor	0.32	0.09	3.78	1.93	0.02	0.05	0.19	0.24	0.05	0.07	0.12	—	3,240	3,240	0.25	0.49	3.95	3,396
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.79	0.70	0.87	10.3	0.00	0.00	0.14	0.14	0.00	0.00	0.00	—	1,977	1,977	0.09	0.07	3.41	2,005
Vendor	0.06	0.02	0.69	0.35	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	536	536	0.04	0.08	0.65	562
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.14	3.47	32.0	42.2	0.08	1.23	—	1.23	1.13	—	1.13	—	7,890	7,890	0.32	0.06	—	7,917
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.14	3.47	32.0	42.2	0.08	1.23	—	1.23	1.13	—	1.13	—	7,890	7,890	0.32	0.06	—	7,917
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.96	2.48	22.9	30.1	0.05	0.88	—	0.88	0.81	—	0.81	—	5,635	5,635	0.23	0.05	—	5,655
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.45	4.17	5.50	0.01	0.16	—	0.16	0.15	—	0.15	—	933	933	0.04	0.01	—	936
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.12	8.22	7.50	137	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	26,242	26,242	1.11	0.90	89.8	26,628
Vendor	0.67	0.14	7.18	3.89	0.05	0.10	0.39	0.49	0.10	0.15	0.25	—	6,643	6,643	0.47	1.02	17.5	6,977
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	8.61	7.67	8.36	103	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	24,066	24,066	0.38	0.94	2.33	24,359
Vendor	0.66	0.13	7.47	3.95	0.05	0.10	0.39	0.49	0.10	0.15	0.25	—	6,647	6,647	0.47	1.02	0.45	6,964
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.15	5.48	6.53	77.7	0.00	0.00	1.11	1.11	0.00	0.00	0.00	—	17,431	17,431	0.27	0.67	27.7	17,666
Vendor	0.47	0.09	5.37	2.80	0.04	0.07	0.28	0.35	0.07	0.11	0.18	—	4,746	4,746	0.34	0.73	5.38	4,978
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.12	1.00	1.19	14.2	0.00	0.00	0.20	0.20	0.00	0.00	0.00	—	2,886	2,886	0.04	0.11	4.59	2,925

Vendor	0.09	0.02	0.98	0.51	0.01	0.01	0.05	0.06	0.01	0.02	0.03	—	786	786	0.06	0.12	0.89	824
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.72	2.28	21.4	29.8	0.04	0.96	—	0.96	0.88	—	0.88	—	4,532	4,532	0.18	0.04	—	4,547
Paving	—	1.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.72	2.28	21.4	29.8	0.04	0.96	—	0.96	0.88	—	0.88	—	4,532	4,532	0.18	0.04	—	4,547
Paving	—	1.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.55	5.15	7.19	0.01	0.23	—	0.23	0.21	—	0.21	—	1,093	1,093	0.04	0.01	—	1,096
Paving	—	0.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.12	0.10	0.94	1.31	< 0.005	0.04	—	0.04	0.04	—	0.04	—	181	181	0.01	< 0.005	—	182
Paving	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.18	3.24	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	621	621	0.03	0.02	2.13	630
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.20	2.45	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	570	570	0.01	0.02	0.06	577
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.62	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	139	139	< 0.005	0.01	0.22	141
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	23.1	23.1	< 0.005	< 0.005	0.04	23.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.48	3.43	4.53	0.01	0.09	—	0.09	0.09	—	0.09	—	534	534	0.02	< 0.005	—	536
Architectural Coatings	—	181	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.48	3.43	4.53	0.01	0.09	—	0.09	0.09	—	0.09	—	534	534	0.02	< 0.005	—	536
Architectural Coatings	—	181	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.20	1.45	1.91	< 0.005	0.04	—	0.04	0.04	—	0.04	—	225	225	0.01	< 0.005	—	226
Architectural Coatings	—	76.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.26	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.3	37.3	< 0.005	< 0.005	—	37.4

Architect Coatings	—	13.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.82	1.64	1.50	27.4	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	5,248	5,248	0.22	0.18	18.0	5,326
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	1.53	1.67	20.7	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	4,813	4,813	0.08	0.19	0.47	4,872
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.73	0.65	0.77	9.18	0.00	0.00	0.13	0.13	0.00	0.00	0.00	—	2,059	2,059	0.03	0.08	3.27	2,087
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.14	1.68	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	341	341	0.01	0.01	0.54	346
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2024	3/31/2024	5.00	65.0	—
Site Preparation	Site Preparation	4/1/2024	8/31/2024	5.00	110	—
Grading	Grading	9/1/2024	4/30/2025	5.00	173	—
Building Construction	Building Construction	5/1/2025	12/31/2026	5.00	436	—
Paving	Paving	9/1/2026	12/31/2026	5.00	88.0	—
Architectural Coating	Architectural Coating	6/1/2026	12/31/2026	5.00	154	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	9.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	6.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	9.00	8.00	367	0.40

Grading	Excavators	Diesel	Average	6.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	3.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	6.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Average	3.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	9.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	3.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	9.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	6.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	6.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	6.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Average	12.0	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Average	6.00	8.00	87.0	0.43

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	45.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	33.0	10.2	HHDT,MHDT
Demolition	Hauling	5.31	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	52.5	18.5	LDA,LDT1,LDT2

Site Preparation	Vendor	55.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	87.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,901	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	219	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	45.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	380	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	6,674,096	2,224,699	1,062,144	354,048	142,363

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	30,000	—
Site Preparation	—	—	2,200	0.00	—
Grading	—	—	3,460	0.00	—
Paving	0.00	0.00	0.00	0.00	61.1

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	6.64	0%
Condo/Townhouse	—	0%
City Park	0.00	0%
Regional Shopping Center	0.00	0%

High Turnover (Sit Down Restaurant)	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
Gasoline/Service Station	0.00	0%
Parking Lot	54.5	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0	annual days of extreme heat
Extreme Precipitation	3.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A

Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	84.6
AQ-PM	95.6
AQ-DPM	57.0
Drinking Water	93.3
Lead Risk Housing	7.89
Pesticides	64.8
Toxic Releases	71.4
Traffic	14.2
Effect Indicators	—
CleanUp Sites	7.71
Groundwater	81.4
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	43.8
Solid Waste	35.7
Sensitive Population	—
Asthma	58.6
Cardio-vascular	79.3
Low Birth Weights	68.1
Socioeconomic Factor Indicators	—
Education	51.5
Housing	70.8
Linguistic	15.6
Poverty	40.3
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	50.9816502
Employed	66.62389324
Median HI	72.65494675
Education	—
Bachelor's or higher	43.46208136
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	93.63531374
Active commuting	23.14897985
Social	—
2-parent households	66.79070961
Voting	49.36481458
Neighborhood	—
Alcohol availability	65.76414731
Park access	55.29321186
Retail density	20.00513281
Supermarket access	52.71397408
Tree canopy	13.73027076
Housing	—
Homeownership	73.48902862
Housing habitability	38.94520724
Low-inc homeowner severe housing cost burden	67.22699859

Low-inc renter severe housing cost burden	48.14577185
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	44.20633902
Arthritis	84.5
Asthma ER Admissions	52.8
High Blood Pressure	89.6
Cancer (excluding skin)	77.2
Asthma	51.9
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	68.9
Life Expectancy at Birth	43.6
Cognitively Disabled	92.5
Physically Disabled	86.7
Heart Attack ER Admissions	10.7
Mental Health Not Good	52.8
Chronic Kidney Disease	85.5
Obesity	50.5
Pedestrian Injuries	19.6
Physical Health Not Good	65.0
Stroke	84.7
Health Risk Behaviors	—
Binge Drinking	15.4
Current Smoker	54.4
No Leisure Time for Physical Activity	62.4
Climate Change Exposures	—

Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	87.4
English Speaking	59.0
Foreign-born	27.3
Outdoor Workers	53.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	70.3
Traffic Density	21.2
Traffic Access	23.0
Other Indices	—
Hardship	44.7
Other Decision Support	—
2016 Voting	55.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Acreage adjusted based on site area
Construction: Construction Phases	Construction schedule based on info from the Project team
Construction: Off-Road Equipment	Construction equipment based on data from the Project team.
Construction: Dust From Material Movement	Assumes 20 acres will be graded per day
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction.
Construction: Architectural Coatings	Project will use super-compliant coatings.

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APPENDIX 5.2:

CALEEMOD CONSTRUCTION EMISSIONS MODEL OUTPUTS – WITH MITIGATION

14822 Rich Haven Ph1 Construction Mitigated Detailed Report

Table of Contents

1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year, Unmitigated
3. Construction Emissions Details
 - 3.1. Site Preparation (2023) - Unmitigated
 - 3.3. Grading (2023) - Unmitigated
 - 3.5. Building Construction (2023) - Unmitigated
 - 3.7. Building Construction (2024) - Unmitigated
 - 3.9. Paving (2024) - Unmitigated
 - 3.11. Architectural Coating (2024) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14822 Rich Haven Ph1 Construction Mitigated
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.01192837529811, -117.57074736445445
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5261
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	317	1000sqft	7.27	316,725	0.00	—	—	—
Refrigerated Warehouse-No Rail	454	1000sqft	10.4	454,244	0.00	—	—	—

Unrefrigerated Warehouse-No Rail	1,996	1000sqft	45.8	1,996,180	531,432	—	—	—
Condo/Townhouse	3,289	Dwelling Unit	106	3,486,340	1,045,440	—	10,887	—
Single Family Housing	822	Dwelling Unit	72.5	1,602,900	631,620	—	2,721	—
Strip Mall	7.50	1000sqft	0.17	7,500	4,356	—	—	—
Gasoline/Service Station	48.0	Pump	0.16	6,776	0.00	—	—	—
Regional Shopping Center	162	1000sqft	3.72	162,137	109,336	—	—	—
High Turnover (Sit Down Restaurant)	32.4	1000sqft	0.74	32,427	0.00	—	—	—
Fast Food Restaurant with Drive Thru	21.6	1000sqft	0.50	21,618	0.00	—	—	—
Parking Lot	58.0	Acre	58.0	0.00	0.00	—	—	—
City Park	1.30	Acre	1.30	0.00	56,628	56,628	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	30.8	70.1	97.7	491	0.25	0.98	65.7	66.6	0.94	15.6	16.5	—	96,362	96,362	4.59	4.79	314	98,220

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	29.4	68.6	102	394	0.25	0.98	65.7	66.6	0.94	15.6	16.5	—	90,733	90,733	4.69	4.79	8.15	92,287
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.2	45.0	62.5	273	0.16	0.57	45.5	46.1	0.55	10.8	11.3	—	62,486	62,486	3.23	3.38	95.4	63,670
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.69	8.21	11.4	49.8	0.03	0.10	8.31	8.41	0.10	1.97	2.07	—	10,345	10,345	0.53	0.56	15.8	10,541

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	3.80	3.03	70.4	120	0.25	0.68	19.0	19.4	0.66	8.58	8.96	—	29,743	29,743	1.59	1.48	27.8	30,251
2024	30.8	70.1	97.7	491	0.24	0.98	65.7	66.6	0.94	15.6	16.5	—	96,362	96,362	4.59	4.79	314	98,220
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	25.2	21.7	74.5	329	0.25	0.68	55.0	55.6	0.66	13.1	13.6	—	76,040	76,040	4.18	4.36	7.50	77,450
2024	29.4	68.6	102	394	0.24	0.98	65.7	66.6	0.94	15.6	16.5	—	90,733	90,733	4.69	4.79	8.15	92,287
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	3.78	3.14	46.9	93.5	0.16	0.41	12.4	12.8	0.40	4.37	4.77	—	22,333	22,333	1.18	1.09	14.3	22,702
2024	20.2	45.0	62.5	273	0.15	0.57	45.5	46.1	0.55	10.8	11.3	—	62,486	62,486	3.23	3.38	95.4	63,670
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.69	0.57	8.56	17.1	0.03	0.07	2.26	2.34	0.07	0.80	0.87	—	3,698	3,698	0.20	0.18	2.38	3,759

2024	3.69	8.21	11.4	49.8	0.03	0.10	8.31	8.41	0.10	1.97	2.07	—	10,345	10,345	0.53	0.56	15.8	10,541
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3. Construction Emissions Details

3.1. Site Preparation (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.03	2.03	47.1	89.9	0.15	0.31	—	0.31	0.31	—	0.31	—	16,589	16,589	0.67	0.13	—	16,646
Dust From Material Movement:	—	—	—	—	—	—	17.0	17.0	—	8.06	8.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.03	2.03	47.1	89.9	0.15	0.31	—	0.31	0.31	—	0.31	—	16,589	16,589	0.67	0.13	—	16,646
Dust From Material Movement:	—	—	—	—	—	—	17.0	17.0	—	8.06	8.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.47	0.47	11.0	20.9	0.04	0.07	—	0.07	0.07	—	0.07	—	3,863	3,863	0.16	0.03	—	3,877
Dust From Material Movement	—	—	—	—	—	—	3.96	3.96	—	1.88	1.88	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	2.00	3.82	0.01	0.01	—	0.01	0.01	—	0.01	—	640	640	0.03	0.01	—	642
Dust From Material Movement	—	—	—	—	—	—	0.72	0.72	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.29	0.28	4.86	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	771	771	0.03	0.03	3.31	783
Vendor	0.54	0.14	5.72	3.08	0.03	0.07	0.27	0.34	0.07	0.10	0.17	—	4,817	4,817	0.40	0.71	13.3	5,052
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.32	3.65	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	707	707	0.03	0.03	0.09	715
Vendor	0.53	0.13	5.94	3.13	0.03	0.07	0.27	0.34	0.07	0.10	0.17	—	4,819	4,819	0.40	0.71	0.35	5,042
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.90	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	167	167	0.01	0.01	0.33	169

Vendor	0.13	0.03	1.39	0.72	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,122	1,122	0.09	0.17	1.34	1,175
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	27.6	27.6	< 0.005	< 0.005	0.06	28.0
Vendor	0.02	0.01	0.25	0.13	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	186	186	0.02	0.03	0.22	195
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.46	59.7	109	0.19	0.55	—	0.55	0.54	—	0.54	—	20,146	20,146	0.82	0.16	—	20,215
Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.46	59.7	109	0.19	0.55	—	0.55	0.54	—	0.54	—	20,146	20,146	0.82	0.16	—	20,215
Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	1.04	25.2	45.8	0.08	0.23	—	0.23	0.23	—	0.23	—	8,500	8,500	0.34	0.07	—	8,529	
Dust From Material Movement	—	—	—	—	—	—	3.38	3.38	—	1.24	1.24	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.19	0.19	4.60	8.36	0.01	0.04	—	0.04	0.04	—	0.04	—	1,407	1,407	0.06	0.01	—	1,412	
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.23	0.23	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.36	0.33	0.32	5.55	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	881	881	0.04	0.03	3.78	895	
Vendor	0.98	0.24	10.3	5.58	0.06	0.12	0.49	0.62	0.12	0.19	0.31	—	8,715	8,715	0.73	1.29	24.1	9,140	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.34	0.31	0.37	4.18	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	808	808	0.04	0.03	0.10	818	
Vendor	0.97	0.23	10.7	5.66	0.06	0.12	0.49	0.62	0.12	0.19	0.31	—	8,719	8,719	0.73	1.29	0.63	9,122	

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.16	1.86	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	346	346	0.02	0.01	0.69	350	
Vendor	0.41	0.10	4.56	2.37	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,678	3,678	0.31	0.54	4.40	3,851	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.03	0.02	0.03	0.34	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	57.2	57.2	< 0.005	< 0.005	0.11	58.0	
Vendor	0.07	0.02	0.83	0.43	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	609	609	0.05	0.09	0.73	638	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

3.5. Building Construction (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.34	30.9	48.6	0.08	0.38	—	0.38	0.36	—	0.36	—	7,890	7,890	0.32	0.06	—	7,917
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	1.87	2.95	< 0.005	0.02	—	0.02	0.02	—	0.02	—	479	479	0.02	< 0.005	—	480
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.34	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.2	79.2	< 0.005	< 0.005	—	79.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	22.0	19.9	23.9	270	0.00	0.00	3.16	3.16	0.00	0.00	0.00	—	52,139	52,139	2.52	1.92	6.35	52,781
Vendor	1.77	0.42	19.7	10.4	0.11	0.23	0.91	1.14	0.23	0.34	0.57	—	16,011	16,011	1.34	2.37	1.15	16,752
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.33	1.20	1.45	17.3	0.00	0.00	0.19	0.19	0.00	0.00	0.00	—	3,208	3,208	0.15	0.12	6.41	3,253
Vendor	0.11	0.03	1.21	0.63	0.01	0.01	0.06	0.07	0.01	0.02	0.03	—	971	971	0.08	0.14	1.16	1,017
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.22	0.27	3.16	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	531	531	0.03	0.02	1.06	539
Vendor	0.02	< 0.005	0.22	0.11	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	161	161	0.01	0.02	0.19	168
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.34	30.8	48.6	0.08	0.37	—	0.37	0.35	—	0.35	—	7,891	7,891	0.32	0.06	—	7,918
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.34	30.8	48.6	0.08	0.37	—	0.37	0.35	—	0.35	—	7,891	7,891	0.32	0.06	—	7,918
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	0.96	22.1	34.8	0.05	0.27	—	0.27	0.25	—	0.25	—	5,652	5,652	0.23	0.05	—	5,671
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.17	4.03	6.35	0.01	0.05	—	0.05	0.05	—	0.05	—	936	936	0.04	0.01	—	939
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	22.2	20.3	18.8	328	0.00	0.00	3.16	3.16	0.00	0.00	0.00	—	55,768	55,768	2.35	1.92	223	56,622
Vendor	1.68	0.45	18.2	9.74	0.11	0.23	0.91	1.14	0.23	0.34	0.57	—	15,833	15,833	1.22	2.36	44.2	16,611
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	21.1	19.1	22.1	248	0.00	0.00	3.16	3.16	0.00	0.00	0.00	—	51,115	51,115	2.43	1.92	5.78	51,755
Vendor	1.65	0.42	18.9	9.88	0.11	0.23	0.91	1.14	0.23	0.34	0.57	—	15,840	15,840	1.22	2.36	1.14	16,575
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	15.0	13.5	15.8	186	0.00	0.00	2.26	2.26	0.00	0.00	0.00	—	37,129	37,129	1.74	1.38	68.9	37,652
Vendor	1.19	0.31	13.6	7.04	0.08	0.16	0.65	0.81	0.16	0.24	0.41	—	11,342	11,342	0.87	1.69	13.6	11,882
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.73	2.47	2.89	34.0	0.00	0.00	0.41	0.41	0.00	0.00	0.00	—	6,147	6,147	0.29	0.23	11.4	6,234
Vendor	0.22	0.06	2.49	1.28	0.01	0.03	0.12	0.15	0.03	0.04	0.07	—	1,878	1,878	0.14	0.28	2.25	1,967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.69	21.6	31.8	0.04	0.26	—	0.26	0.24	—	0.24	—	4,535	4,535	0.18	0.04	—	4,550
Paving	—	1.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.69	21.6	31.8	0.04	0.26	—	0.26	0.24	—	0.24	—	4,535	4,535	0.18	0.04	—	4,550
Paving	—	1.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	5.15	7.58	0.01	0.06	—	0.06	0.06	—	0.06	—	1,081	1,081	0.04	0.01	—	1,085
Paving	—	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.94	1.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	180
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.24	0.22	3.81	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	648	648	0.03	0.02	2.59	658
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.26	2.88	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	594	594	0.03	0.02	0.07	601

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.72	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	144	144	0.01	0.01	0.27	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	23.8	23.8	< 0.005	< 0.005	0.04	24.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	4.28	3.85	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536
Architect ural Coatings	—	41.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	4.28	3.85	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536

Architect Coatings	—	41.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	2.80	2.52	< 0.005	0.08	—	0.08	0.07	—	0.07	—	350	350	0.01	< 0.005	—	351
Architect ural Coatings	—	27.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.51	0.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	57.9	57.9	< 0.005	< 0.005	—	58.1
Architect ural Coatings	—	4.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.44	4.06	3.76	65.5	0.00	0.00	0.63	0.63	0.00	0.00	0.00	—	11,154	11,154	0.47	0.38	44.6	11,324
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.22	3.82	4.42	49.5	0.00	0.00	0.63	0.63	0.00	0.00	0.00	—	10,223	10,223	0.49	0.38	1.16	10,351
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.74	2.48	2.90	34.1	0.00	0.00	0.41	0.41	0.00	0.00	0.00	—	6,789	6,789	0.32	0.25	12.6	6,884	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.45	0.53	6.22	0.00	0.00	0.08	0.08	0.00	0.00	0.00	—	1,124	1,124	0.05	0.04	2.09	1,140	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2023	4/30/2023	5.00	85.0	—
Grading	Grading	5/1/2023	11/30/2023	5.00	154	—

Building Construction	Building Construction	12/1/2023	12/31/2024	5.00	283	—
Paving	Paving	9/1/2024	12/31/2024	5.00	87.0	—
Architectural Coating	Architectural Coating	2/1/2024	12/31/2024	5.00	239	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	9.00	8.00	367	0.40
Grading	Excavators	Diesel	Tier 4 Interim	6.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	3.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	6.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Interim	3.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	9.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Interim	3.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	9.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Interim	3.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Interim	6.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	6.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Interim	6.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	3.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	12.0	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Interim	6.00	8.00	87.0	0.43

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	52.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	152	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	275	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	3,874	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	505	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	45.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	775	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	10,305,711	3,435,237	4,496,411	1,498,804	151,589

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	1,700	0.00	—
Grading	—	—	3,080	0.00	—
Paving	0.00	0.00	0.00	0.00	67.1

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Refrigerated Warehouse-No Rail	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%

Condo/Townhouse	—	0%
Single Family Housing	9.06	0%
Strip Mall	0.00	0%
Gasoline/Service Station	0.00	0%
Regional Shopping Center	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
Parking Lot	58.0	100%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0	annual days of extreme heat
Extreme Precipitation	3.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	84.6
AQ-PM	95.6
AQ-DPM	57.0
Drinking Water	93.3
Lead Risk Housing	7.89
Pesticides	64.8
Toxic Releases	71.4
Traffic	14.2
Effect Indicators	—
CleanUp Sites	7.71
Groundwater	81.4
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	43.8
Solid Waste	35.7
Sensitive Population	—
Asthma	58.6
Cardio-vascular	79.3
Low Birth Weights	68.1
Socioeconomic Factor Indicators	—
Education	51.5
Housing	70.8

Linguistic	15.6
Poverty	40.3
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	50.9816502
Employed	66.62389324
Median HI	72.65494675
Education	—
Bachelor's or higher	43.46208136
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	93.63531374
Active commuting	23.14897985
Social	—
2-parent households	66.79070961
Voting	49.36481458
Neighborhood	—
Alcohol availability	65.76414731
Park access	55.29321186
Retail density	20.00513281
Supermarket access	52.71397408
Tree canopy	13.73027076

Housing	—
Homeownership	73.48902862
Housing habitability	38.94520724
Low-inc homeowner severe housing cost burden	67.22699859
Low-inc renter severe housing cost burden	48.14577185
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	44.20633902
Arthritis	84.5
Asthma ER Admissions	52.8
High Blood Pressure	89.6
Cancer (excluding skin)	77.2
Asthma	51.9
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	68.9
Life Expectancy at Birth	43.6
Cognitively Disabled	92.5
Physically Disabled	86.7
Heart Attack ER Admissions	10.7
Mental Health Not Good	52.8
Chronic Kidney Disease	85.5
Obesity	50.5
Pedestrian Injuries	19.6
Physical Health Not Good	65.0
Stroke	84.7
Health Risk Behaviors	—

Binge Drinking	15.4
Current Smoker	54.4
No Leisure Time for Physical Activity	62.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	87.4
English Speaking	59.0
Foreign-born	27.3
Outdoor Workers	53.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	70.3
Traffic Density	21.2
Traffic Access	23.0
Other Indices	—
Hardship	44.7
Other Decision Support	—
2016 Voting	55.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Acreage adjusted based on site plan
Construction: Construction Phases	Schedule adjusted based on data from the Project team.
Construction: Off-Road Equipment	Equipment based on data from the Project team.
Construction: Dust From Material Movement	Assumes 20 acres will be graded per day
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction.
Construction: Architectural Coatings	Project will use super-compliant coatings

14822 Rich Haven Ph2 Construction Mitigated Detailed Report

Table of Contents

1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year, Unmitigated
3. Construction Emissions Details
 - 3.1. Demolition (2024) - Unmitigated
 - 3.3. Site Preparation (2024) - Unmitigated
 - 3.5. Grading (2024) - Unmitigated
 - 3.7. Grading (2025) - Unmitigated
 - 3.9. Building Construction (2025) - Unmitigated
 - 3.11. Building Construction (2026) - Unmitigated

3.13. Paving (2026) - Unmitigated

3.15. Architectural Coating (2026) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14822 Rich Haven Ph2 Construction Mitigated
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.01284450351814, -117.57158813842331
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5261
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	603	Dwelling Unit	81.3	1,175,850	708,721	—	1,996	—
Condo/Townhouse	2,000	Dwelling Unit	55.9	2,120,000	242,283	—	6,620	—
City Park	27.0	Acre	27.0	0.00	1,176,120	1,176,120	—	—

Regional Shopping Center	526	1000sqft	12.1	525,990	342,382	—	—	—
High Turnover (Sit Down Restaurant)	105	1000sqft	2.42	105,198	0.00	—	—	—
Fast Food Restaurant with Drive Thru	70.1	1000sqft	1.61	70,132	0.00	—	—	—
Gasoline/Service Station	48.0	Pump	0.16	6,776	0.00	—	—	—
Parking Lot	54.5	Acre	54.5	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.0	49.3	73.1	256	0.21	0.85	32.3	33.1	0.81	8.35	8.69	—	51,709	51,709	2.35	2.23	127	52,561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.4	48.6	74.4	215	0.21	0.85	32.3	33.1	0.81	7.65	8.45	—	49,051	49,051	2.00	2.28	3.30	49,771
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.60	22.7	41.8	134	0.12	0.45	21.0	21.5	0.43	4.98	5.41	—	31,329	31,329	1.21	1.55	36.6	31,850

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.57	4.15	7.62	24.5	0.02	0.08	3.84	3.92	0.08	0.91	0.99	—	5,187	5,187	0.20	0.26	6.06	5,273

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.09	2.85	63.2	115	0.21	0.59	18.1	18.5	0.58	8.35	8.69	—	23,736	23,736	1.06	0.60	11.1	23,953
2025	11.7	10.2	63.0	201	0.21	0.59	26.7	27.2	0.58	6.34	6.79	—	41,436	41,436	1.96	2.03	118	42,209
2026	14.0	49.3	73.1	256	0.17	0.85	32.3	33.1	0.81	7.65	8.45	—	51,709	51,709	2.35	2.23	127	52,561
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.07	2.83	63.3	114	0.21	0.63	9.53	10.1	0.59	3.33	3.91	—	23,665	23,665	1.07	0.60	0.29	23,871
2025	11.2	9.69	63.1	164	0.21	0.59	26.7	27.2	0.58	6.34	6.79	—	39,212	39,212	2.00	2.03	3.07	39,870
2026	13.4	48.6	74.4	215	0.17	0.85	32.3	33.1	0.81	7.65	8.45	—	49,051	49,051	1.46	2.28	3.30	49,771
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.78	1.64	36.7	66.2	0.12	0.35	7.96	8.31	0.34	3.36	3.70	—	13,571	13,571	0.61	0.33	2.63	13,686
2025	6.03	5.24	38.2	108	0.11	0.36	14.9	15.2	0.35	3.78	4.13	—	24,512	24,512	1.21	1.11	25.6	24,900
2026	8.60	22.7	41.8	134	0.10	0.45	21.0	21.5	0.43	4.98	5.41	—	31,329	31,329	0.92	1.55	36.6	31,850
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.32	0.30	6.71	12.1	0.02	0.06	1.45	1.52	0.06	0.61	0.68	—	2,247	2,247	0.10	0.05	0.44	2,266
2025	1.10	0.96	6.97	19.8	0.02	0.07	2.72	2.78	0.06	0.69	0.75	—	4,058	4,058	0.20	0.18	4.24	4,122
2026	1.57	4.15	7.62	24.5	0.02	0.08	3.84	3.92	0.08	0.91	0.99	—	5,187	5,187	0.15	0.26	6.06	5,273

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.24	35.7	54.5	0.10	0.60	—	0.60	0.57	—	0.57	—	10,276	10,276	0.42	0.08	—	10,311
Demolition	—	—	—	—	—	—	0.30	0.30	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	6.36	9.71	0.02	0.11	—	0.11	0.10	—	0.10	—	1,830	1,830	0.07	0.01	—	1,836
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	1.16	1.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	303	303	0.01	< 0.005	—	304
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.26	2.88	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	594	594	0.03	0.02	0.07	601
Vendor	0.11	0.03	1.24	0.65	0.01	0.01	0.06	0.07	0.01	0.02	0.04	—	1,035	1,035	0.08	0.15	0.07	1,083
Hauling	0.05	0.01	0.48	0.26	< 0.005	0.01	0.03	0.04	< 0.005	0.01	0.01	—	374	374	0.04	0.06	0.02	393
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.05	0.54	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	107	107	0.01	< 0.005	0.20	109
Vendor	0.02	< 0.005	0.22	0.11	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	184	184	0.01	0.03	0.22	193
Hauling	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	66.6	66.6	0.01	0.01	0.06	70.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	17.8	17.8	< 0.005	< 0.005	0.03	18.0
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	30.5	30.5	< 0.005	< 0.005	0.04	32.0
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	0.01	11.6

3.3. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.03	2.03	47.1	89.9	0.15	0.31	—	0.31	0.31	—	0.31	—	16,588	16,588	0.67	0.13	—	16,644
Dust From Material Movement:	—	—	—	—	—	—	17.0	17.0	—	8.06	8.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.61	14.2	27.1	0.05	0.09	—	0.09	0.09	—	0.09	—	4,999	4,999	0.20	0.04	—	5,016
Dust From Material Movement:	—	—	—	—	—	—	5.12	5.12	—	2.43	2.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	2.59	4.94	0.01	0.02	—	0.02	0.02	—	0.02	—	828	828	0.03	0.01	—	830
Dust From Material Movement:	—	—	—	—	—	—	0.93	0.93	—	0.44	0.44	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.25	4.44	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	756	756	0.03	0.03	3.02	767

Vendor	0.18	0.05	1.98	1.06	0.01	0.02	0.10	0.12	0.02	0.04	0.06	—	1,724	1,724	0.13	0.26	4.81	1,809
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.06	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	212	212	0.01	0.01	0.39	215
Vendor	0.05	0.01	0.62	0.32	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	520	520	0.04	0.08	0.62	544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.19	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	35.1	35.1	< 0.005	< 0.005	0.07	35.5
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	86.1	86.1	0.01	0.01	0.10	90.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.46	59.7	109	0.19	0.55	—	0.55	0.54	—	0.54	—	20,145	20,145	0.82	0.16	—	20,214
Dust From Material Movement	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.46	59.7	109	0.19	0.55	—	0.55	0.54	—	0.54	—	20,145	20,145	0.82	0.16	—	20,214
Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	14.3	25.9	0.04	0.13	—	0.13	0.13	—	0.13	—	4,810	4,810	0.20	0.04	—	4,826
Dust From Material Movement:	—	—	—	—	—	—	1.91	1.91	—	0.70	0.70	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	2.60	4.73	0.01	0.02	—	0.02	0.02	—	0.02	—	796	796	0.03	0.01	—	799
Dust From Material Movement:	—	—	—	—	—	—	0.35	0.35	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.31	0.29	5.08	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	864	864	0.04	0.03	3.45	877

Vendor	0.29	0.08	3.13	1.68	0.02	0.04	0.16	0.20	0.04	0.06	0.10	—	2,728	2,728	0.21	0.41	7.61	2,862
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.30	0.34	3.84	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	792	792	0.04	0.03	0.09	802
Vendor	0.28	0.07	3.26	1.70	0.02	0.04	0.16	0.20	0.04	0.06	0.10	—	2,729	2,729	0.21	0.41	0.20	2,856
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.96	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	192	192	0.01	0.01	0.36	194
Vendor	0.07	0.02	0.78	0.40	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	651	651	0.05	0.10	0.78	682
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	31.7	31.7	< 0.005	< 0.005	0.06	32.2
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	108	108	0.01	0.02	0.13	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.46	59.7	109	0.19	0.55	—	0.55	0.54	—	0.54	—	20,146	20,146	0.82	0.16	—	20,215

Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.46	59.7	109	0.19	0.55	—	0.55	0.54	—	0.54	—	20,146	20,146	0.82	0.16	—	20,215
Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.58	14.0	25.5	0.04	0.13	—	0.13	0.13	—	0.13	—	4,731	4,731	0.19	0.04	—	4,747
Dust From Material Movement:	—	—	—	—	—	—	1.88	1.88	—	0.69	0.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	2.56	4.65	0.01	0.02	—	0.02	0.02	—	0.02	—	783	783	0.03	0.01	—	786
Dust From Material Movement:	—	—	—	—	—	—	0.34	0.34	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.28	0.26	4.67	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	845	845	0.04	0.03	3.14	858
Vendor	0.27	0.08	2.98	1.61	0.02	0.04	0.16	0.20	0.04	0.06	0.10	—	2,684	2,684	0.21	0.41	7.55	2,818
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.29	3.52	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	775	775	0.04	0.03	0.08	785
Vendor	0.26	0.07	3.11	1.62	0.02	0.04	0.16	0.20	0.04	0.06	0.10	—	2,685	2,685	0.21	0.41	0.20	2,812
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.87	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	185	185	0.01	0.01	0.32	187
Vendor	0.06	0.02	0.74	0.38	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	630	630	0.05	0.10	0.77	661
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	30.6	30.6	< 0.005	< 0.005	0.05	31.0
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	104	104	0.01	0.02	0.13	109
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.40	1.34	30.8	48.6	0.08	0.37	—	0.37	0.35	—	0.35	—	7,891	7,891	0.32	0.06	—	7,918
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.34	30.8	48.6	0.08	0.37	—	0.37	0.35	—	0.35	—	7,891	7,891	0.32	0.06	—	7,918
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.64	14.8	23.3	0.04	0.18	—	0.18	0.17	—	0.17	—	3,783	3,783	0.15	0.03	—	3,796
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	2.70	4.25	0.01	0.03	—	0.03	0.03	—	0.03	—	626	626	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.66	8.72	8.36	148	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	26,789	26,789	1.11	0.94	99.4	27,197
Vendor	0.67	0.19	7.50	4.06	0.05	0.10	0.39	0.49	0.10	0.15	0.25	—	6,756	6,756	0.52	1.02	19.0	7,093
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.12	8.17	9.22	112	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	24,561	24,561	1.15	0.94	2.57	24,873

Vendor	0.66	0.18	7.84	4.07	0.05	0.10	0.39	0.49	0.10	0.15	0.25	—	6,760	6,760	0.52	1.02	0.49	7,078
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.33	3.86	4.79	56.5	0.00	0.00	0.74	0.74	0.00	0.00	0.00	—	11,942	11,942	0.55	0.45	20.6	12,111
Vendor	0.32	0.09	3.78	1.93	0.02	0.05	0.19	0.24	0.05	0.07	0.12	—	3,240	3,240	0.25	0.49	3.95	3,396
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.79	0.70	0.87	10.3	0.00	0.00	0.14	0.14	0.00	0.00	0.00	—	1,977	1,977	0.09	0.07	3.41	2,005
Vendor	0.06	0.02	0.69	0.35	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	536	536	0.04	0.08	0.65	562
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.34	30.8	48.6	0.08	0.37	—	0.37	0.35	—	0.35	—	7,890	7,890	0.32	0.06	—	7,917
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.34	30.8	48.6	0.08	0.37	—	0.37	0.35	—	0.35	—	7,890	7,890	0.32	0.06	—	7,917
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	0.95	22.0	34.7	0.05	0.26	—	0.26	0.25	—	0.25	—	5,635	5,635	0.23	0.05	—	5,655
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.17	4.02	6.33	0.01	0.05	—	0.05	0.05	—	0.05	—	933	933	0.04	0.01	—	936
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.12	8.22	7.50	137	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	26,242	26,242	1.11	0.90	89.8	26,628
Vendor	0.67	0.14	7.18	3.89	0.05	0.10	0.39	0.49	0.10	0.15	0.25	—	6,643	6,643	0.47	1.02	17.5	6,977
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	8.61	7.67	8.36	103	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	24,066	24,066	0.38	0.94	2.33	24,359
Vendor	0.66	0.13	7.47	3.95	0.05	0.10	0.39	0.49	0.10	0.15	0.25	—	6,647	6,647	0.47	1.02	0.45	6,964
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.15	5.48	6.53	77.7	0.00	0.00	1.11	1.11	0.00	0.00	0.00	—	17,431	17,431	0.27	0.67	27.7	17,666
Vendor	0.47	0.09	5.37	2.80	0.04	0.07	0.28	0.35	0.07	0.11	0.18	—	4,746	4,746	0.34	0.73	5.38	4,978
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.12	1.00	1.19	14.2	0.00	0.00	0.20	0.20	0.00	0.00	0.00	—	2,886	2,886	0.04	0.11	4.59	2,925

Vendor	0.09	0.02	0.98	0.51	0.01	0.01	0.05	0.06	0.01	0.02	0.03	—	786	786	0.06	0.12	0.89	824
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.69	21.6	31.8	0.04	0.26	—	0.26	0.24	—	0.24	—	4,532	4,532	0.18	0.04	—	4,547
Paving	—	1.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.69	21.6	31.8	0.04	0.26	—	0.26	0.24	—	0.24	—	4,532	4,532	0.18	0.04	—	4,547
Paving	—	1.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	5.21	7.67	0.01	0.06	—	0.06	0.06	—	0.06	—	1,093	1,093	0.04	0.01	—	1,096
Paving	—	0.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.03	0.95	1.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	181	181	0.01	< 0.005	—	182
Paving	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.18	3.24	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	621	621	0.03	0.02	2.13	630
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.20	2.45	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	570	570	0.01	0.02	0.06	577
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.62	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	139	139	< 0.005	0.01	0.22	141
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	23.1	23.1	< 0.005	< 0.005	0.04	23.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	4.28	3.85	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536
Architectural Coatings	—	35.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	4.28	3.85	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536
Architectural Coatings	—	35.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	1.80	1.63	< 0.005	0.05	—	0.05	0.05	—	0.05	—	225	225	0.01	< 0.005	—	226
Architectural Coatings	—	14.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.33	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.3	37.3	< 0.005	< 0.005	—	37.4

Architect Coatings	—	2.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.82	1.64	1.50	27.4	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	5,248	5,248	0.22	0.18	18.0	5,326
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	1.53	1.67	20.7	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	4,813	4,813	0.08	0.19	0.47	4,872
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.73	0.65	0.77	9.18	0.00	0.00	0.13	0.13	0.00	0.00	0.00	—	2,059	2,059	0.03	0.08	3.27	2,087
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.14	1.68	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	341	341	0.01	0.01	0.54	346
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2024	3/31/2024	5.00	65.0	—
Site Preparation	Site Preparation	4/1/2024	8/31/2024	5.00	110	—
Grading	Grading	9/1/2024	4/30/2025	5.00	173	—
Building Construction	Building Construction	5/1/2025	12/31/2026	5.00	436	—
Paving	Paving	9/1/2026	12/31/2026	5.00	88.0	—
Architectural Coating	Architectural Coating	6/1/2026	12/31/2026	5.00	154	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Interim	3.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Interim	9.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	6.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	9.00	8.00	367	0.40

Grading	Excavators	Diesel	Tier 4 Interim	6.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	3.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	6.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Interim	3.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	9.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Interim	3.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	9.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Interim	3.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Interim	6.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	6.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Interim	6.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	3.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	12.0	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Interim	6.00	8.00	87.0	0.43

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	45.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	33.0	10.2	HHDT,MHDT
Demolition	Hauling	5.31	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	52.5	18.5	LDA,LDT1,LDT2

Site Preparation	Vendor	55.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	87.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,901	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	219	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	45.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	380	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	6,674,096	2,224,699	1,062,144	354,048	142,363

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	30,000	—
Site Preparation	—	—	2,200	0.00	—
Grading	—	—	3,460	0.00	—
Paving	0.00	0.00	0.00	0.00	61.1

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	6.64	0%
Condo/Townhouse	—	0%
City Park	0.00	0%
Regional Shopping Center	0.00	0%

High Turnover (Sit Down Restaurant)	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
Gasoline/Service Station	0.00	0%
Parking Lot	54.5	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0	annual days of extreme heat
Extreme Precipitation	3.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A

Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	84.6
AQ-PM	95.6
AQ-DPM	57.0
Drinking Water	93.3
Lead Risk Housing	7.89
Pesticides	64.8
Toxic Releases	71.4
Traffic	14.2
Effect Indicators	—
CleanUp Sites	7.71
Groundwater	81.4
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	43.8
Solid Waste	35.7
Sensitive Population	—
Asthma	58.6
Cardio-vascular	79.3
Low Birth Weights	68.1
Socioeconomic Factor Indicators	—
Education	51.5
Housing	70.8
Linguistic	15.6
Poverty	40.3
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	50.9816502
Employed	66.62389324
Median HI	72.65494675
Education	—
Bachelor's or higher	43.46208136
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	93.63531374
Active commuting	23.14897985
Social	—
2-parent households	66.79070961
Voting	49.36481458
Neighborhood	—
Alcohol availability	65.76414731
Park access	55.29321186
Retail density	20.00513281
Supermarket access	52.71397408
Tree canopy	13.73027076
Housing	—
Homeownership	73.48902862
Housing habitability	38.94520724
Low-inc homeowner severe housing cost burden	67.22699859

Low-inc renter severe housing cost burden	48.14577185
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	44.20633902
Arthritis	84.5
Asthma ER Admissions	52.8
High Blood Pressure	89.6
Cancer (excluding skin)	77.2
Asthma	51.9
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	68.9
Life Expectancy at Birth	43.6
Cognitively Disabled	92.5
Physically Disabled	86.7
Heart Attack ER Admissions	10.7
Mental Health Not Good	52.8
Chronic Kidney Disease	85.5
Obesity	50.5
Pedestrian Injuries	19.6
Physical Health Not Good	65.0
Stroke	84.7
Health Risk Behaviors	—
Binge Drinking	15.4
Current Smoker	54.4
No Leisure Time for Physical Activity	62.4
Climate Change Exposures	—

Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	87.4
English Speaking	59.0
Foreign-born	27.3
Outdoor Workers	53.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	70.3
Traffic Density	21.2
Traffic Access	23.0
Other Indices	—
Hardship	44.7
Other Decision Support	—
2016 Voting	55.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Acreage adjusted based on site area
Construction: Construction Phases	Construction schedule based on info from the Project team
Construction: Off-Road Equipment	Construction equipment based on data from the Project team.
Construction: Dust From Material Movement	Assumes 20 acres will be graded per day
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction.
Construction: Architectural Coatings	Project will use super-compliant coatings.

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APPENDIX 5.3:

CALEEMOD OPERATIONS EMISSIONS MODEL OUTPUTS

14822 Rich Haven Ph1 Ops 2024 Detailed Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use - Unmitigated
 - 4.2.3. Natural Gas Emissions By Land Use - Unmitigated
 - 4.3. Area Emissions by Source

4.3.2. Unmitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14822 Rich Haven Ph1 Ops 2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.012654365759644, -117.57100716437458
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5261
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	317	1000sqft	7.27	316,725	0.00	—	—	—
Refrigerated Warehouse-No Rail	454	1000sqft	10.4	454,244	0.00	—	—	—

Unrefrigerated Warehouse-No Rail	1,996	1000sqft	45.8	1,996,180	531,432	—	—	—
User Defined Industrial	2,767	User Defined Unit	0.00	0.00	0.00	—	—	—
Condo/Townhouse	3,289	Dwelling Unit	106	3,486,340	1,045,440	—	10,887	—
Single Family Housing	822	Dwelling Unit	72.5	1,602,900	631,620	—	2,721	—
Strip Mall	7.50	1000sqft	0.17	7,500	4,356	—	—	—
Gasoline/Service Station	48.0	Pump	0.16	6,776	0.00	—	—	—
Regional Shopping Center	162	1000sqft	3.72	162,137	109,336	—	—	—
High Turnover (Sit Down Restaurant)	32.4	1000sqft	0.74	32,427	0.00	—	—	—
Fast Food Restaurant with Drive Thru	21.6	1000sqft	0.50	21,618	0.00	—	—	—
City Park	1.30	Acre	1.30	0.00	56,628	56,628	—	—
Parking Lot	58.0	Acre	58.0	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	328	481	397	2,203	5.23	12.3	136	149	12.1	25.2	37.3	5,170	658,569	663,739	561	38.0	2,365	691,464
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	264	419	412	1,594	4.97	12.0	136	148	11.8	25.2	36.9	5,170	633,433	638,603	562	38.6	632	664,788
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	227	389	301	1,444	3.60	6.95	100	107	6.83	18.7	25.5	5,170	458,589	463,759	555	32.4	1,157	488,435
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	41.4	71.0	55.0	264	0.66	1.27	18.3	19.5	1.25	3.41	4.65	856	75,925	76,781	91.9	5.36	191	80,866

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	271	242	295	1,792	4.59	4.16	136	141	3.93	25.2	29.1	—	478,611	478,611	29.4	33.2	1,779	491,015
Area	52.4	236	61.4	387	0.39	4.95	—	4.95	5.04	—	5.04	0.00	74,736	74,736	1.43	0.25	—	74,846
Energy	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	99,635	99,635	9.13	0.67	—	100,063
Water	—	—	—	—	—	—	—	—	—	—	—	1,579	5,587	7,166	162	3.91	—	12,391
Waste	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Total	328	481	397	2,203	5.23	12.3	136	149	12.1	25.2	37.3	5,170	658,569	663,739	561	38.0	2,365	691,464
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	253	224	314	1,545	4.36	4.17	136	141	3.93	25.2	29.1	—	454,635	454,635	30.5	33.8	46.1	465,532

Area	6.78	193	58.0	24.7	0.37	4.69	—	4.69	4.69	—	4.69	0.00	73,577	73,577	1.39	0.14	—	73,653
Energy	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	99,635	99,635	9.13	0.67	—	100,063
Water	—	—	—	—	—	—	—	—	—	—	—	1,579	5,587	7,166	162	3.91	—	12,391
Waste	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Total	264	419	412	1,594	4.97	12.0	136	148	11.8	25.2	36.9	5,170	633,433	638,603	562	38.6	632	664,788
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	191	168	255	1,170	3.32	3.31	100	103	3.12	18.7	21.8	—	347,534	347,534	24.2	27.7	571	356,969
Area	31.7	219	6.31	250	0.04	0.50	—	0.50	0.56	—	0.56	0.00	5,834	5,834	0.13	0.08	—	5,862
Energy	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	99,635	99,635	9.13	0.67	—	100,063
Water	—	—	—	—	—	—	—	—	—	—	—	1,579	5,587	7,166	162	3.91	—	12,391
Waste	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Total	227	389	301	1,444	3.60	6.95	100	107	6.83	18.7	25.5	5,170	458,589	463,759	555	32.4	1,157	488,435
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	34.8	30.6	46.5	213	0.61	0.60	18.3	18.9	0.57	3.41	3.98	—	57,538	57,538	4.00	4.59	94.6	59,100
Area	5.79	40.0	1.15	45.6	0.01	0.09	—	0.09	0.10	—	0.10	0.00	966	966	0.02	0.01	—	970
Energy	0.83	0.41	7.28	4.44	0.05	0.57	—	0.57	0.57	—	0.57	—	16,496	16,496	1.51	0.11	—	16,567
Water	—	—	—	—	—	—	—	—	—	—	—	261	925	1,186	26.9	0.65	—	2,052
Waste	—	—	—	—	—	—	—	—	—	—	—	595	0.00	595	59.4	0.00	—	2,080
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	96.9	96.9
Total	41.4	71.0	55.0	264	0.66	1.27	18.3	19.5	1.25	3.41	4.65	856	75,925	76,781	91.9	5.36	191	80,866

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	3.55	3.31	1.63	29.8	0.06	0.03	0.26	0.29	0.02	0.08	0.10	—	5,715	5,715	0.25	0.16	22.2	5,793
Refrigerated Warehouse-No Rail	2.26	2.10	1.03	18.9	0.04	0.02	0.17	0.18	0.02	0.05	0.07	—	3,631	3,631	0.16	0.10	14.1	3,680
Unrefrigerated Warehouse-No Rail	17.7	16.5	8.11	148	0.28	0.13	1.30	1.43	0.12	0.39	0.51	—	28,480	28,480	1.27	0.82	111	28,867
User Defined Industrial	12.0	2.72	117	67.5	0.94	1.62	8.23	9.85	1.55	2.67	4.22	—	103,990	103,990	8.93	15.6	305	109,165
Condo/Townhouse	82.2	75.7	61.0	560	1.22	0.87	6.69	7.57	0.82	2.07	2.89	—	125,367	125,367	6.76	6.03	495	127,829
Single Family Housing	34.5	31.8	25.6	235	0.51	0.37	2.81	3.17	0.34	0.87	1.21	—	52,581	52,581	2.83	2.53	208	53,613
Strip Mall	1.49	1.37	1.16	10.8	0.02	0.02	0.13	0.15	0.02	0.04	0.06	—	2,450	2,450	0.13	0.12	9.71	2,497
Gasoline/Service Station	18.8	17.2	14.6	135	0.30	0.21	1.65	1.86	0.20	0.51	0.71	—	30,844	30,844	1.60	1.46	122	31,439
Regional Shopping Center	53.1	50.0	29.5	257	0.49	0.37	2.64	3.01	0.35	0.82	1.16	—	50,567	50,567	3.64	2.83	195	51,696

High Turnover (Sit Down Restaurant)	12.7	11.6	9.91	91.6	0.20	0.14	1.12	1.26	0.14	0.35	0.48	—	20,874	20,874	1.08	0.99	82.7	21,277
Fast Food Restaurant with Drive Thru	32.9	30.2	25.7	237	0.53	0.38	2.90	3.27	0.35	0.90	1.25	—	54,092	54,092	2.80	2.55	214	55,137
City Park	0.01	0.01	0.01	0.09	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	21.1	21.1	< 0.005	< 0.005	0.08	21.5
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	271	242	295	1,792	4.59	4.16	27.9	32.0	3.93	8.74	12.7	—	478,611	478,611	29.4	33.2	1,779	491,015
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	3.37	3.12	1.80	25.0	0.05	0.03	0.26	0.29	0.02	0.08	0.10	—	5,266	5,266	0.27	0.18	0.58	5,325
Refrigerated Warehouse-No Rail	2.14	1.98	1.14	15.9	0.03	0.02	0.17	0.18	0.02	0.05	0.07	—	3,345	3,345	0.17	0.11	0.37	3,383
Unrefrigerated Warehouse-No Rail	16.8	15.6	8.97	124	0.26	0.13	1.30	1.43	0.12	0.39	0.51	—	26,239	26,239	1.35	0.88	2.87	26,537
User Defined Industrial	11.9	2.64	122	67.5	0.94	1.62	8.23	9.85	1.55	2.67	4.22	—	104,009	104,009	8.92	15.6	7.91	108,890
Condo/Townhouse	76.3	69.7	65.5	478	1.14	0.88	6.69	7.57	0.82	2.07	2.89	—	117,518	117,518	7.09	6.25	12.8	119,570
Single Family Housing	32.0	29.2	27.5	200	0.48	0.37	2.81	3.17	0.34	0.87	1.21	—	49,289	49,289	2.97	2.62	5.39	50,149

Strip Mall	1.39	1.26	1.25	9.11	0.02	0.02	0.13	0.15	0.02	0.04	0.06	—	2,296	2,296	0.13	0.12	0.25	2,336
Gasoline /Service Station	17.5	15.9	15.7	115	0.28	0.21	1.65	1.86	0.20	0.51	0.71	—	28,906	28,906	1.67	1.51	3.17	29,400
Regional Shopping Center	49.0	45.8	31.6	231	0.46	0.37	2.64	3.01	0.35	0.82	1.17	—	47,490	47,490	3.90	2.92	5.06	48,464
High Turnover (Sit Down Restaurant)	11.8	10.7	10.7	77.6	0.19	0.14	1.12	1.26	0.14	0.35	0.48	—	19,563	19,563	1.13	1.02	2.14	19,897
Fast Food Restaurant with Drive Thru	30.6	27.8	27.6	201	0.49	0.38	2.90	3.27	0.35	0.90	1.25	—	50,694	50,694	2.93	2.64	5.56	51,560
City Park	0.01	0.01	0.01	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	19.8	19.8	< 0.005	< 0.005	< 0.005	20.1
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	253	224	314	1,545	4.36	4.17	27.9	32.1	3.93	8.74	12.7	—	454,635	454,635	30.5	33.8	46.1	465,532
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.53	0.49	0.29	4.14	0.01	< 0.005	0.04	0.05	< 0.005	0.01	0.02	—	773	773	0.04	0.03	1.39	783
Refrigerated Warehouse-No Rail	0.34	0.31	0.19	2.62	0.01	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	490	490	0.02	0.02	0.88	496
Unrefrigerated Warehouse-No Rail	2.89	2.68	1.60	22.5	0.05	0.02	0.23	0.25	0.02	0.07	0.09	—	4,196	4,196	0.21	0.14	7.54	4,251
User Defined Industrial	2.04	0.46	21.2	11.5	0.16	0.28	1.41	1.69	0.27	0.46	0.72	—	16,176	16,176	1.39	2.43	20.5	16,954

Condo/T	12.1	11.0	10.6	78.6	0.18	0.14	1.06	1.20	0.13	0.33	0.46	—	17,136	17,136	1.02	0.91	30.9	17,464
Single Family Housing	5.69	5.19	5.00	37.1	0.09	0.07	0.50	0.57	0.06	0.16	0.22	—	8,092	8,092	0.48	0.43	14.6	8,247
Strip Mall	0.21	0.19	0.20	1.46	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	326	326	0.02	0.02	0.59	332
Gasoline /Service Station	2.02	1.88	1.40	10.4	0.02	0.02	0.12	0.14	0.02	0.04	0.05	—	1,979	1,979	0.15	0.12	3.50	2,022
Regional Shopping Center	4.56	4.27	2.92	21.7	0.04	0.03	0.23	0.27	0.03	0.07	0.10	—	3,891	3,891	0.33	0.24	6.81	3,979
High Turnover (Sit Down Restaurnart)	1.31	1.22	0.96	7.11	0.01	0.01	0.09	0.10	0.01	0.03	0.04	—	1,395	1,395	0.10	0.08	2.48	1,424
Fast Food Restaurnart with Drive Thru	3.11	2.89	2.17	16.1	0.03	0.03	0.19	0.21	0.02	0.06	0.08	—	3,081	3,081	0.23	0.18	5.45	3,147
City Park	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.56	2.56	< 0.005	< 0.005	< 0.005	2.61
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	34.8	30.6	46.5	213	0.61	0.60	3.92	4.53	0.57	1.23	1.80	—	57,538	57,538	4.00	4.59	94.6	59,100

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	5,280	5,280	0.50	0.06	—	5,310
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	9,500	9,500	0.90	0.11	—	9,555
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,806	8,806	0.83	0.10	—	8,857
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	15,232	15,232	1.44	0.17	—	15,320
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	5,975	5,975	0.57	0.07	—	6,009
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	69.7	69.7	0.01	< 0.005	—	70.1
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	61.7	61.7	0.01	< 0.005	—	62.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,507	1,507	0.14	0.02	—	1,515
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	724	724	0.07	0.01	—	728

City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,114	2,114	0.20	0.02	—	2,126
Total	—	—	—	—	—	—	—	—	—	—	—	—	50,355	50,355	4.77	0.58	—	50,646
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	5,280	5,280	0.50	0.06	—	5,310
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	9,500	9,500	0.90	0.11	—	9,555
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,806	8,806	0.83	0.10	—	8,857
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	15,232	15,232	1.44	0.17	—	15,320
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	5,975	5,975	0.57	0.07	—	6,009
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	69.7	69.7	0.01	< 0.005	—	70.1
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	—	61.7	61.7	0.01	< 0.005	—	62.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,507	1,507	0.14	0.02	—	1,515

High Turnover (Sit Down Restaurnt)	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
Fast Food Restaurnt with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	724	724	0.07	0.01	—	728
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,114	2,114	0.20	0.02	—	2,126
Total	—	—	—	—	—	—	—	—	—	—	—	—	50,355	50,355	4.77	0.58	—	50,646
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	874	874	0.08	0.01	—	879
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,573	1,573	0.15	0.02	—	1,582
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,458	1,458	0.14	0.02	—	1,466
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	2,522	2,522	0.24	0.03	—	2,536
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	989	989	0.09	0.01	—	995

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	11.5	11.5	< 0.005	< 0.005	—	11.6
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	—	10.2	10.2	< 0.005	< 0.005	—	10.3
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	251
High Turnover (Sit Down Restaurart)	—	—	—	—	—	—	—	—	—	—	—	—	180	180	0.02	< 0.005	—	181
Fast Food Restaurart with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	120	120	0.01	< 0.005	—	121
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	350	350	0.03	< 0.005	—	352
Total	—	—	—	—	—	—	—	—	—	—	—	—	8,337	8,337	0.79	0.10	—	8,385

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.26	0.13	2.33	1.96	0.01	0.18	—	0.18	0.18	—	0.18	—	2,785	2,785	0.25	0.01	—	2,793
Refrigerated Warehouse-No Rail	0.35	0.18	3.21	2.70	0.02	0.24	—	0.24	0.24	—	0.24	—	3,835	3,835	0.34	0.01	—	3,846

Unrefrige Warehouse-No Rail	1.12	0.56	10.2	8.56	0.06	0.77	—	0.77	0.77	—	0.77	—	12,162	12,162	1.08	0.02	—	12,196
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	1.83	0.92	15.6	6.66	0.10	1.27	—	1.27	1.27	—	1.27	—	19,861	19,861	1.76	0.04	—	19,916
Single Family Housing	0.76	0.38	6.49	2.76	0.04	0.53	—	0.53	0.53	—	0.53	—	8,243	8,243	0.73	0.02	—	8,266
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.2	14.2	< 0.005	< 0.005	—	14.2
Gasoline/Service Station	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.1	93.1	0.01	< 0.005	—	93.4
Regional Shopping Center	0.03	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	—	306	306	0.03	< 0.005	—	307
High Turnover (Sit Down Restaurart)	0.11	0.05	1.00	0.84	0.01	0.08	—	0.08	0.08	—	0.08	—	1,188	1,188	0.11	< 0.005	—	1,191
Fast Food Restaurart with Drive Thru	0.07	0.04	0.66	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	792	792	0.07	< 0.005	—	794
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	49,280	49,280	4.36	0.09	—	49,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	0.26	0.13	2.33	1.96	0.01	0.18	—	0.18	0.18	—	0.18	—	2,785	2,785	0.25	0.01	—	2,793
Refrigerated Warehouse-No Rail	0.35	0.18	3.21	2.70	0.02	0.24	—	0.24	0.24	—	0.24	—	3,835	3,835	0.34	0.01	—	3,846
Unrefrigerated Warehouse-No Rail	1.12	0.56	10.2	8.56	0.06	0.77	—	0.77	0.77	—	0.77	—	12,162	12,162	1.08	0.02	—	12,196
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	1.83	0.92	15.6	6.66	0.10	1.27	—	1.27	1.27	—	1.27	—	19,861	19,861	1.76	0.04	—	19,916
Single Family Housing	0.76	0.38	6.49	2.76	0.04	0.53	—	0.53	0.53	—	0.53	—	8,243	8,243	0.73	0.02	—	8,266
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.2	14.2	< 0.005	< 0.005	—	14.2
Gasoline/Service Station	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.1	93.1	0.01	< 0.005	—	93.4
Regional Shopping Center	0.03	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	—	306	306	0.03	< 0.005	—	307
High Turnover (Sit Down Restaurant)	0.11	0.05	1.00	0.84	0.01	0.08	—	0.08	0.08	—	0.08	—	1,188	1,188	0.11	< 0.005	—	1,191
Fast Food Restaurant with Drive Thru	0.07	0.04	0.66	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	792	792	0.07	< 0.005	—	794

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	49,280	49,280	4.36	0.09	—	49,416
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.05	0.02	0.43	0.36	< 0.005	0.03	—	0.03	0.03	—	0.03	—	461	461	0.04	< 0.005	—	462
Refrigerated Warehouse-No Rail	0.06	0.03	0.59	0.49	< 0.005	0.04	—	0.04	0.04	—	0.04	—	635	635	0.06	< 0.005	—	637
Unrefrigerated Warehouse-No Rail	0.20	0.10	1.86	1.56	0.01	0.14	—	0.14	0.14	—	0.14	—	2,014	2,014	0.18	< 0.005	—	2,019
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	0.33	0.17	2.86	1.22	0.02	0.23	—	0.23	0.23	—	0.23	—	3,288	3,288	0.29	0.01	—	3,297
Single Family Housing	0.14	0.07	1.19	0.50	0.01	0.10	—	0.10	0.10	—	0.10	—	1,365	1,365	0.12	< 0.005	—	1,368
Strip Mall	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.35	2.35	< 0.005	< 0.005	—	2.35
Gasoline/Service Station	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.5
Regional Shopping Center	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.7	50.7	< 0.005	< 0.005	—	50.9

High Turnover (Sit Down Restaurant)	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	197	197	0.02	< 0.005	—	197
Fast Food Restaurant with Drive Thru	0.01	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	131	131	0.01	< 0.005	—	131
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.83	0.41	7.28	4.44	0.05	0.57	—	0.57	0.57	—	0.57	—	8,159	8,159	0.72	0.02	—	8,181

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	6.78	3.39	58.0	24.7	0.37	4.69	—	4.69	4.69	—	4.69	0.00	73,577	73,577	1.39	0.14	—	73,653
Consumer Products	—	173	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	16.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	45.7	42.7	3.41	363	0.02	0.27	—	0.27	0.35	—	0.35	—	1,160	1,160	0.05	0.11	—	1,193
Total	52.4	236	61.4	387	0.39	4.95	—	4.95	5.04	—	5.04	0.00	74,736	74,736	1.43	0.25	—	74,846

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	6.78	3.39	58.0	24.7	0.37	4.69	—	4.69	4.69	—	4.69	0.00	73,577	73,577	1.39	0.14	—	73,653
Consumer Products	—	173	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	16.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	6.78	193	58.0	24.7	0.37	4.69	—	4.69	4.69	—	4.69	0.00	73,577	73,577	1.39	0.14	—	73,653
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.08	0.04	0.72	0.31	< 0.005	0.06	—	0.06	0.06	—	0.06	0.00	834	834	0.02	< 0.005	—	835
Consumer Products	—	31.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	3.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	5.71	5.34	0.43	45.3	< 0.005	0.03	—	0.03	0.04	—	0.04	—	132	132	0.01	0.01	—	135
Total	5.79	40.0	1.15	45.6	0.01	0.09	—	0.09	0.10	—	0.10	0.00	966	966	0.02	0.01	—	970

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	108	366	474	11.1	0.27	—	831
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	201	683	884	20.7	0.50	—	1,550
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	885	3,045	3,929	91.0	2.19	—	6,857
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	263	995	1,258	27.0	0.65	—	2,128
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	65.7	286	351	6.76	0.16	—	569
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.06	3.97	5.03	0.11	< 0.005	—	8.56
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	1.22	4.15	5.37	0.13	< 0.005	—	9.41
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	23.0	87.0	110	2.37	0.06	—	186
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	18.9	64.0	82.9	1.94	0.05	—	145

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	12.6	42.7	55.2	1.29	0.03	—	96.8
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	10.2	10.2	< 0.005	< 0.005	—	10.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,579	5,587	7,166	162	3.91	—	12,391
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	108	366	474	11.1	0.27	—	831
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	201	683	884	20.7	0.50	—	1,550
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	885	3,045	3,929	91.0	2.19	—	6,857
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	263	995	1,258	27.0	0.65	—	2,128
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	65.7	286	351	6.76	0.16	—	569
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.06	3.97	5.03	0.11	< 0.005	—	8.56

Gasoline /Service	—	—	—	—	—	—	—	—	—	—	—	1.22	4.15	5.37	0.13	< 0.005	—	9.41
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	23.0	87.0	110	2.37	0.06	—	186
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	18.9	64.0	82.9	1.94	0.05	—	145
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	12.6	42.7	55.2	1.29	0.03	—	96.8
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	10.2	10.2	< 0.005	< 0.005	—	10.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,579	5,587	7,166	162	3.91	—	12,391
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	17.9	60.6	78.5	1.84	0.04	—	138
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	33.3	113	146	3.43	0.08	—	257
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	146	504	651	15.1	0.36	—	1,135
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	43.5	165	208	4.48	0.11	—	352
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	10.9	47.3	58.2	1.12	0.03	—	94.2
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.18	0.66	0.83	0.02	< 0.005	—	1.42
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.69	0.89	0.02	< 0.005	—	1.56
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.81	14.4	18.2	0.39	0.01	—	30.8
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	3.12	10.6	13.7	0.32	0.01	—	24.1
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.08	7.06	9.15	0.21	0.01	—	16.0
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	1.70	1.70	< 0.005	< 0.005	—	1.71
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	261	925	1,186	26.9	0.65	—	2,052

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	555
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	230	0.00	230	23.0	0.00	—	805
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,011	0.00	1,011	101	0.00	—	3,538
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1,311	0.00	1,311	131	0.00	—	4,586
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	428	0.00	428	42.8	0.00	—	1,498
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.24	0.00	4.24	0.42	0.00	—	14.8
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.8	0.00	91.8	9.17	0.00	—	321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	208	0.00	208	20.8	0.00	—	728

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	134	0.00	134	13.4	0.00	—	470
City Park	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.21
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	555
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	230	0.00	230	23.0	0.00	—	805
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,011	0.00	1,011	101	0.00	—	3,538
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1,311	0.00	1,311	131	0.00	—	4,586
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	428	0.00	428	42.8	0.00	—	1,498
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.24	0.00	4.24	0.42	0.00	—	14.8

Gasoline /Service	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.8	0.00	91.8	9.17	0.00	—	321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	208	0.00	208	20.8	0.00	—	728
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	134	0.00	134	13.4	0.00	—	470
City Park	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.21
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	26.3	0.00	26.3	2.63	0.00	—	92.0
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	38.1	0.00	38.1	3.81	0.00	—	133
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	167	0.00	167	16.7	0.00	—	586
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	217	0.00	217	21.7	0.00	—	759
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	70.9	0.00	70.9	7.08	0.00	—	248
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.70	0.00	0.70	0.07	0.00	—	2.46
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	2.31	0.00	2.31	0.23	0.00	—	8.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	15.2	0.00	15.2	1.52	0.00	—	53.1
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	22.2	0.00	22.2	2.22	0.00	—	77.7
City Park	—	—	—	—	—	—	—	—	—	—	—	0.01	0.00	0.01	< 0.005	0.00	—	0.03
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	595	0.00	595	59.4	0.00	—	2,080

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.77	0.77
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	463	463
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.5	11.5
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	33.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.77	0.77

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	463	463
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.5	11.5
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	33.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	76.7	76.7
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.13	4.13
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.90	1.90

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.39	8.39
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.59	5.59
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	96.9	96.9

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Office Park	888	669	327	283,479	7,525	5,670	2,769	2,401,918
Refrigerated Warehouse-No Rail	564	319	306	179,702	4,780	2,706	2,594	1,522,619
Unrefrigerated Warehouse-No Rail	4,426	3,725	3,675	1,539,648	37,498	31,561	31,138	13,045,437
User Defined Industrial	1,143	927	874	391,883	35,782	29,024	27,378	12,269,872
Condo/Townhouse	18,580	11,370	9,101	5,911,360	142,672	87,311	69,884	45,393,329

Single Family Housing	7,755	7,793	6,971	2,791,565	59,549	59,839	53,527	21,436,426
Strip Mall	330	237	75.2	102,332	2,796	2,011	637	867,056
Gasoline/Service Station	2,496	4,154	4,154	1,083,962	5,649	35,198	35,198	5,143,326
Regional Shopping Center	5,320	13,204	8,133	2,499,577	20,262	56,219	34,626	10,019,460
High Turnover (Sit Down Restaurant)	1,662	2,155	2,811	692,267	5,554	18,260	23,821	3,642,197
Fast Food Restaurant with Drive Thru	4,074	7,285	4,182	1,660,093	11,305	61,729	35,436	8,013,735
City Park	2.00	2.55	2.85	803	16.9	21.6	24.1	6,800
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	2796
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	329
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	699

Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	82

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
10305711	3,435,237	4,496,411	1,498,804	151,589

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	5,527,449	349	0.0330	0.0040	8,690,939
Refrigerated Warehouse-No Rail	9,945,872	349	0.0330	0.0040	11,966,710
Unrefrigerated Warehouse-No Rail	9,219,763	349	0.0330	0.0040	37,948,738
User Defined Industrial	0.00	349	0.0330	0.0040	0.00
Condo/Townhouse	15,946,932	349	0.0330	0.0040	61,972,315
Single Family Housing	6,255,109	349	0.0330	0.0040	25,720,146
Strip Mall	72,963	349	0.0330	0.0040	44,216

Gasoline/Service Station	64,628	349	0.0330	0.0040	290,596
Regional Shopping Center	1,577,323	349	0.0330	0.0040	955,877
High Turnover (Sit Down Restaurant)	1,137,107	349	0.0330	0.0040	3,705,461
Fast Food Restaurant with Drive Thru	758,071	349	0.0330	0.0040	2,470,307
City Park	0.00	349	0.0330	0.0040	0.00
Parking Lot	2,213,196	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	56,292,721	0.00
Refrigerated Warehouse-No Rail	105,043,925	0.00
Unrefrigerated Warehouse-No Rail	461,616,625	8,534,332
User Defined Industrial	0.00	0.00
Condo/Townhouse	137,089,385	20,519,706
Single Family Housing	34,261,926	12,397,322
Strip Mall	555,544	69,954
Gasoline/Service Station	637,531	0.00
Regional Shopping Center	12,009,896	1,755,840
High Turnover (Sit Down Restaurant)	9,842,688	0.00
Fast Food Restaurant with Drive Thru	6,561,792	0.00
City Park	0.00	2,020,880
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	295	0.00
Refrigerated Warehouse-No Rail	427	0.00
Unrefrigerated Warehouse-No Rail	1,876	0.00
User Defined Industrial	0.00	0.00
Condo/Townhouse	735	0.00
Single Family Housing	240	0.00
Strip Mall	7.88	0.00
Gasoline/Service Station	25.9	0.00
Regional Shopping Center	170	0.00
High Turnover (Sit Down Restaurant)	386	0.00
Fast Food Restaurant with Drive Thru	249	0.00
City Park	0.11	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0	annual days of extreme heat
Extreme Precipitation	3.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	84.6
AQ-PM	95.6
AQ-DPM	57.0
Drinking Water	93.3
Lead Risk Housing	7.89
Pesticides	64.8
Toxic Releases	71.4
Traffic	14.2
Effect Indicators	—
CleanUp Sites	7.71
Groundwater	81.4
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	43.8
Solid Waste	35.7
Sensitive Population	—
Asthma	58.6
Cardio-vascular	79.3
Low Birth Weights	68.1
Socioeconomic Factor Indicators	—
Education	51.5
Housing	70.8

Linguistic	15.6
Poverty	40.3
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	50.9816502
Employed	66.62389324
Median HI	72.65494675
Education	—
Bachelor's or higher	43.46208136
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	93.63531374
Active commuting	23.14897985
Social	—
2-parent households	66.79070961
Voting	49.36481458
Neighborhood	—
Alcohol availability	65.76414731
Park access	55.29321186
Retail density	20.00513281
Supermarket access	52.71397408
Tree canopy	13.73027076

Housing	—
Homeownership	73.48902862
Housing habitability	38.94520724
Low-inc homeowner severe housing cost burden	67.22699859
Low-inc renter severe housing cost burden	48.14577185
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	44.20633902
Arthritis	84.5
Asthma ER Admissions	52.8
High Blood Pressure	89.6
Cancer (excluding skin)	77.2
Asthma	51.9
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	68.9
Life Expectancy at Birth	43.6
Cognitively Disabled	92.5
Physically Disabled	86.7
Heart Attack ER Admissions	10.7
Mental Health Not Good	52.8
Chronic Kidney Disease	85.5
Obesity	50.5
Pedestrian Injuries	19.6
Physical Health Not Good	65.0
Stroke	84.7
Health Risk Behaviors	—

Binge Drinking	15.4
Current Smoker	54.4
No Leisure Time for Physical Activity	62.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	87.4
English Speaking	59.0
Foreign-born	27.3
Outdoor Workers	53.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	70.3
Traffic Density	21.2
Traffic Access	23.0
Other Indices	—
Hardship	44.7
Other Decision Support	—
2016 Voting	55.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Acreage based on Project site plan
Operations: Vehicle Data	Updated based on Project traffic study
Operations: Fleet Mix	Fleet mix adjusted based on Project traffic study
Operations: Hearths	No wood-burning stoves or fireplaces per SCAQMD Rule 445
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater

14822 Rich Haven Ph1 Ops 2027 Detailed Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use - Unmitigated
 - 4.2.3. Natural Gas Emissions By Land Use - Unmitigated
 - 4.3. Area Emissions by Source

4.3.2. Unmitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14822 Rich Haven Ph1 Ops 2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.012654365759644, -117.57100716437458
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5261
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	317	1000sqft	7.27	316,725	0.00	—	—	—
Refrigerated Warehouse-No Rail	454	1000sqft	10.4	454,244	0.00	—	—	—

Unrefrigerated Warehouse-No Rail	1,996	1000sqft	45.8	1,996,180	531,432	—	—	—
User Defined Industrial	2,767	User Defined Unit	0.00	0.00	0.00	—	—	—
Condo/Townhouse	3,289	Dwelling Unit	106	3,486,340	1,045,440	—	10,887	—
Single Family Housing	822	Dwelling Unit	72.5	1,602,900	631,620	—	2,721	—
Strip Mall	7.50	1000sqft	0.17	7,500	4,356	—	—	—
Gasoline/Service Station	48.0	Pump	0.16	6,776	0.00	—	—	—
Regional Shopping Center	162	1000sqft	3.72	162,137	109,336	—	—	—
High Turnover (Sit Down Restaurant)	32.4	1000sqft	0.74	32,427	0.00	—	—	—
Fast Food Restaurant with Drive Thru	21.6	1000sqft	0.50	21,618	0.00	—	—	—
City Park	1.30	Acre	1.30	0.00	56,628	56,628	—	—
Parking Lot	58.0	Acre	58.0	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	289	446	348	1,925	4.95	11.8	136	148	11.7	25.2	36.9	5,170	629,697	634,867	557	36.0	1,918	661,438
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	230	389	360	1,357	4.71	11.6	136	148	11.4	25.2	36.5	5,170	606,339	611,509	558	36.3	620	636,882
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	201	367	260	1,265	3.40	6.64	100	107	6.54	18.7	25.2	5,170	437,786	442,956	551	30.6	1,016	466,884
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	36.7	66.9	47.4	231	0.62	1.21	18.3	19.5	1.19	3.41	4.60	856	72,480	73,336	91.3	5.07	168	77,298

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	232	208	247	1,514	4.31	3.76	136	140	3.54	25.2	28.7	—	450,131	450,131	25.2	31.0	1,332	461,322
Area	52.4	236	61.4	387	0.39	4.95	—	4.95	5.04	—	5.04	0.00	74,736	74,736	1.43	0.44	—	74,904
Energy	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	99,282	99,282	9.13	0.67	—	99,710
Water	—	—	—	—	—	—	—	—	—	—	—	1,579	5,548	7,127	162	3.91	—	12,352
Waste	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Total	289	446	348	1,925	4.95	11.8	136	148	11.7	25.2	36.9	5,170	629,697	634,867	557	36.0	1,918	661,438
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	218	194	262	1,308	4.09	3.76	136	140	3.55	25.2	28.7	—	427,933	427,933	26.1	31.5	34.6	438,017

Area	6.78	193	58.0	24.7	0.37	4.69	—	4.69	4.69	—	4.69	0.00	73,577	73,577	1.39	0.14	—	73,653
Energy	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	99,282	99,282	9.13	0.67	—	99,710
Water	—	—	—	—	—	—	—	—	—	—	—	1,579	5,548	7,127	162	3.91	—	12,352
Waste	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Total	230	389	360	1,357	4.71	11.6	136	148	11.4	25.2	36.5	5,170	606,339	611,509	558	36.3	620	636,882
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	165	145	214	990	3.12	3.00	100	103	2.83	18.7	21.5	—	327,123	327,123	20.6	25.8	430	335,770
Area	31.7	219	6.31	250	0.04	0.50	—	0.50	0.56	—	0.56	0.00	5,834	5,834	0.13	0.22	—	5,902
Energy	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	99,282	99,282	9.13	0.67	—	99,710
Water	—	—	—	—	—	—	—	—	—	—	—	1,579	5,548	7,127	162	3.91	—	12,352
Waste	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Total	201	367	260	1,265	3.40	6.64	100	107	6.54	18.7	25.2	5,170	437,786	442,956	551	30.6	1,016	466,884
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	30.0	26.5	39.0	181	0.57	0.55	18.3	18.8	0.52	3.41	3.92	—	54,159	54,159	3.41	4.28	71.3	55,591
Area	5.79	40.0	1.15	45.6	0.01	0.09	—	0.09	0.10	—	0.10	0.00	966	966	0.02	0.04	—	977
Energy	0.83	0.41	7.28	4.44	0.05	0.57	—	0.57	0.57	—	0.57	—	16,437	16,437	1.51	0.11	—	16,508
Water	—	—	—	—	—	—	—	—	—	—	—	261	918	1,180	26.9	0.65	—	2,045
Waste	—	—	—	—	—	—	—	—	—	—	—	595	0.00	595	59.4	0.00	—	2,080
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	96.9	96.9
Total	36.7	66.9	47.4	231	0.62	1.21	18.3	19.5	1.19	3.41	4.60	856	72,480	73,336	91.3	5.07	168	77,298

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	3.09	2.89	1.27	25.1	0.05	0.02	0.26	0.28	0.02	0.08	0.10	—	5,338	5,338	0.21	0.14	15.6	5,401
Refrigerated Warehouse-No Rail	1.96	1.84	0.81	15.9	0.03	0.01	0.17	0.18	0.01	0.05	0.06	—	3,391	3,391	0.13	0.09	9.90	3,431
Unrefrigerated Warehouse-No Rail	15.4	14.4	6.33	125	0.26	0.12	1.30	1.42	0.11	0.39	0.50	—	26,602	26,602	1.06	0.70	77.7	26,916
User Defined Industrial	9.99	2.27	101	59.2	0.88	1.52	8.23	9.75	1.46	2.67	4.12	—	98,266	98,266	7.46	14.8	259	103,113
Condo/Townhouse	70.4	64.8	50.1	472	1.15	0.77	6.70	7.47	0.72	2.07	2.80	—	117,821	117,821	5.86	5.58	362	119,994
Single Family Housing	29.5	27.2	21.0	198	0.48	0.32	2.81	3.13	0.30	0.87	1.17	—	49,416	49,416	2.46	2.34	152	50,327
Strip Mall	1.28	1.17	0.95	9.07	0.02	0.01	0.13	0.15	0.01	0.04	0.05	—	2,303	2,303	0.11	0.11	7.10	2,344
Gasoline/Service Station	16.1	14.7	12.0	114	0.28	0.19	1.65	1.84	0.18	0.51	0.69	—	28,986	28,986	1.39	1.35	89.4	29,512
Regional Shopping Center	45.5	42.9	24.7	217	0.46	0.33	2.64	2.97	0.31	0.82	1.12	—	47,534	47,534	3.14	2.61	143	48,533

High Turnover (Sit Down Restaurant)	10.9	9.96	8.12	77.3	0.19	0.13	1.12	1.25	0.12	0.35	0.47	—	19,617	19,617	0.94	0.91	60.5	19,973
Fast Food Restaurant with Drive Thru	28.2	25.8	21.0	200	0.49	0.33	2.90	3.23	0.31	0.90	1.21	—	50,835	50,835	2.43	2.36	157	51,757
City Park	0.01	0.01	0.01	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	19.9	19.9	< 0.005	< 0.005	0.06	20.2
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	232	208	247	1,514	4.31	3.76	27.9	31.7	3.54	8.75	12.3	—	450,131	450,131	25.2	31.0	1,332	461,322
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	2.94	2.74	1.40	21.1	0.05	0.02	0.26	0.28	0.02	0.08	0.10	—	4,922	4,922	0.23	0.15	0.40	4,973
Refrigerated Warehouse-No Rail	1.87	1.74	0.89	13.4	0.03	0.01	0.17	0.18	0.01	0.05	0.06	—	3,127	3,127	0.14	0.10	0.26	3,159
Unrefrigerated Warehouse-No Rail	14.7	13.7	6.99	105	0.24	0.12	1.30	1.42	0.11	0.39	0.50	—	24,525	24,525	1.13	0.75	2.01	24,780
User Defined Industrial	9.91	2.20	105	59.3	0.88	1.52	8.23	9.75	1.46	2.67	4.12	—	98,288	98,288	7.46	14.8	6.71	102,886
Condo/Townhouse	66.0	60.3	53.7	404	1.08	0.77	6.70	7.47	0.72	2.07	2.80	—	110,555	110,555	6.14	5.76	9.39	112,435
Single Family Housing	27.7	25.3	22.5	169	0.45	0.32	2.81	3.13	0.30	0.87	1.17	—	46,368	46,368	2.58	2.42	3.94	47,157

Strip Mall	1.20	1.09	1.02	7.70	0.02	0.01	0.13	0.15	0.01	0.04	0.05	—	2,160	2,160	0.11	0.11	0.18	2,196
Gasoline /Service Station	15.1	13.7	12.9	97.0	0.26	0.19	1.65	1.84	0.18	0.51	0.69	—	27,193	27,193	1.45	1.39	2.32	27,646
Regional Shopping Center	42.5	39.7	26.4	196	0.43	0.33	2.64	2.97	0.31	0.82	1.12	—	44,685	44,685	3.35	2.69	3.70	45,575
High Turnover (Sit Down Restaurart)	10.2	9.28	8.70	65.6	0.18	0.13	1.12	1.25	0.12	0.35	0.47	—	18,403	18,403	0.98	0.94	1.57	18,710
Fast Food Restaurart with Drive Thru	26.4	24.0	22.6	170	0.46	0.33	2.90	3.23	0.31	0.90	1.21	—	47,689	47,689	2.54	2.44	4.06	48,483
City Park	0.01	0.01	0.01	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	18.6	18.6	< 0.005	< 0.005	< 0.005	18.9
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	218	194	262	1,308	4.09	3.76	27.9	31.7	3.55	8.75	12.3	—	427,933	427,933	26.1	31.5	34.6	438,017
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.47	0.43	0.23	3.49	0.01	< 0.005	0.04	0.05	< 0.005	0.01	0.02	—	722	722	0.03	0.02	0.97	730
Refrigerated Warehouse-No Rail	0.29	0.27	0.15	2.21	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	458	458	0.02	0.01	0.62	463
Unrefrigerated Warehouse-No Rail	2.53	2.35	1.25	18.9	0.04	0.02	0.23	0.25	0.02	0.07	0.09	—	3,921	3,921	0.18	0.12	5.29	3,967
User Defined Industrial	1.70	0.38	18.2	10.1	0.15	0.26	1.41	1.67	0.25	0.46	0.71	—	15,286	15,286	1.16	2.30	17.4	16,017

Condo/T	10.4	9.51	8.66	66.4	0.17	0.12	1.07	1.19	0.11	0.33	0.44	—	16,118	16,118	0.89	0.84	22.6	16,412
Single Family Housing	4.92	4.49	4.09	31.4	0.08	0.06	0.50	0.56	0.05	0.16	0.21	—	7,611	7,611	0.42	0.40	10.7	7,750
Strip Mall	0.18	0.17	0.16	1.24	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	307	307	0.02	0.02	0.43	312
Gasoline /Service Station	1.75	1.63	1.16	8.82	0.02	0.01	0.12	0.14	0.01	0.04	0.05	—	1,862	1,862	0.13	0.11	2.56	1,900
Regional Shopping Center	3.95	3.70	2.44	18.4	0.04	0.03	0.24	0.26	0.03	0.07	0.10	—	3,661	3,661	0.28	0.22	4.98	3,739
High Turnover (Sit Down Restaurnart)	1.14	1.06	0.79	6.01	0.01	0.01	0.09	0.10	0.01	0.03	0.04	—	1,312	1,312	0.09	0.07	1.81	1,338
Fast Food Restaurnart with Drive Thru	2.69	2.51	1.80	13.7	0.03	0.02	0.19	0.21	0.02	0.06	0.08	—	2,899	2,899	0.20	0.17	3.98	2,958
City Park	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.41	2.41	< 0.005	< 0.005	< 0.005	2.45
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	30.0	26.5	39.0	181	0.57	0.55	3.92	4.47	0.52	1.23	1.75	—	54,159	54,159	3.41	4.28	71.3	55,591

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	5,243	5,243	0.50	0.06	—	5,273
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	9,433	9,433	0.90	0.11	—	9,488
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,745	8,745	0.83	0.10	—	8,796
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	15,125	15,125	1.44	0.17	—	15,214
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	5,933	5,933	0.57	0.07	—	5,967
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	69.2	69.2	0.01	< 0.005	—	69.6
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	61.3	61.3	0.01	< 0.005	—	61.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,496	1,496	0.14	0.02	—	1,505
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	1,079	1,079	0.10	0.01	—	1,085
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	719	719	0.07	0.01	—	723

City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,099	2,099	0.20	0.02	—	2,111
Total	—	—	—	—	—	—	—	—	—	—	—	—	50,002	50,002	4.77	0.58	—	50,294
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	5,243	5,243	0.50	0.06	—	5,273
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	9,433	9,433	0.90	0.11	—	9,488
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,745	8,745	0.83	0.10	—	8,796
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	15,125	15,125	1.44	0.17	—	15,214
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	5,933	5,933	0.57	0.07	—	5,967
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	69.2	69.2	0.01	< 0.005	—	69.6
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	—	61.3	61.3	0.01	< 0.005	—	61.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,496	1,496	0.14	0.02	—	1,505

High Turnover (Sit Down Restaurnt)	—	—	—	—	—	—	—	—	—	—	—	—	1,079	1,079	0.10	0.01	—	1,085
Fast Food Restaurnt with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	719	719	0.07	0.01	—	723
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,099	2,099	0.20	0.02	—	2,111
Total	—	—	—	—	—	—	—	—	—	—	—	—	50,002	50,002	4.77	0.58	—	50,294
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	868	868	0.08	0.01	—	873
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,562	1,562	0.15	0.02	—	1,571
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,448	1,448	0.14	0.02	—	1,456
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	2,504	2,504	0.24	0.03	—	2,519
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	982	982	0.09	0.01	—	988

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	11.5	11.5	< 0.005	< 0.005	—	11.5
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	—	10.1	10.1	< 0.005	< 0.005	—	10.2
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	248	248	0.02	< 0.005	—	249
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	179	179	0.02	< 0.005	—	180
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	119	119	0.01	< 0.005	—	120
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	348	348	0.03	< 0.005	—	350
Total	—	—	—	—	—	—	—	—	—	—	—	—	8,278	8,278	0.79	0.10	—	8,327

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.26	0.13	2.33	1.96	0.01	0.18	—	0.18	0.18	—	0.18	—	2,785	2,785	0.25	0.01	—	2,793
Refrigerated Warehouse-No Rail	0.35	0.18	3.21	2.70	0.02	0.24	—	0.24	0.24	—	0.24	—	3,835	3,835	0.34	0.01	—	3,846

Unrefrige Warehouse-No Rail	1.12	0.56	10.2	8.56	0.06	0.77	—	0.77	0.77	—	0.77	—	12,162	12,162	1.08	0.02	—	12,196
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	1.83	0.92	15.6	6.66	0.10	1.27	—	1.27	1.27	—	1.27	—	19,861	19,861	1.76	0.04	—	19,916
Single Family Housing	0.76	0.38	6.49	2.76	0.04	0.53	—	0.53	0.53	—	0.53	—	8,243	8,243	0.73	0.02	—	8,266
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.2	14.2	< 0.005	< 0.005	—	14.2
Gasoline/Service Station	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.1	93.1	0.01	< 0.005	—	93.4
Regional Shopping Center	0.03	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	—	306	306	0.03	< 0.005	—	307
High Turnover (Sit Down Restaurant)	0.11	0.05	1.00	0.84	0.01	0.08	—	0.08	0.08	—	0.08	—	1,188	1,188	0.11	< 0.005	—	1,191
Fast Food Restaurant with Drive Thru	0.07	0.04	0.66	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	792	792	0.07	< 0.005	—	794
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	49,280	49,280	4.36	0.09	—	49,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	0.26	0.13	2.33	1.96	0.01	0.18	—	0.18	0.18	—	0.18	—	2,785	2,785	0.25	0.01	—	2,793
Refrigerated Warehouse-No Rail	0.35	0.18	3.21	2.70	0.02	0.24	—	0.24	0.24	—	0.24	—	3,835	3,835	0.34	0.01	—	3,846
Unrefrigerated Warehouse-No Rail	1.12	0.56	10.2	8.56	0.06	0.77	—	0.77	0.77	—	0.77	—	12,162	12,162	1.08	0.02	—	12,196
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	1.83	0.92	15.6	6.66	0.10	1.27	—	1.27	1.27	—	1.27	—	19,861	19,861	1.76	0.04	—	19,916
Single Family Housing	0.76	0.38	6.49	2.76	0.04	0.53	—	0.53	0.53	—	0.53	—	8,243	8,243	0.73	0.02	—	8,266
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.2	14.2	< 0.005	< 0.005	—	14.2
Gasoline/Service Station	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.1	93.1	0.01	< 0.005	—	93.4
Regional Shopping Center	0.03	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	—	306	306	0.03	< 0.005	—	307
High Turnover (Sit Down Restaurant)	0.11	0.05	1.00	0.84	0.01	0.08	—	0.08	0.08	—	0.08	—	1,188	1,188	0.11	< 0.005	—	1,191
Fast Food Restaurant with Drive Thru	0.07	0.04	0.66	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	792	792	0.07	< 0.005	—	794

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	49,280	49,280	4.36	0.09	—	49,416
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.05	0.02	0.43	0.36	< 0.005	0.03	—	0.03	0.03	—	0.03	—	461	461	0.04	< 0.005	—	462
Refrigerated Warehouse-No Rail	0.06	0.03	0.59	0.49	< 0.005	0.04	—	0.04	0.04	—	0.04	—	635	635	0.06	< 0.005	—	637
Unrefrigerated Warehouse-No Rail	0.20	0.10	1.86	1.56	0.01	0.14	—	0.14	0.14	—	0.14	—	2,014	2,014	0.18	< 0.005	—	2,019
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	0.33	0.17	2.86	1.22	0.02	0.23	—	0.23	0.23	—	0.23	—	3,288	3,288	0.29	0.01	—	3,297
Single Family Housing	0.14	0.07	1.19	0.50	0.01	0.10	—	0.10	0.10	—	0.10	—	1,365	1,365	0.12	< 0.005	—	1,368
Strip Mall	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.35	2.35	< 0.005	< 0.005	—	2.35
Gasoline/Service Station	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.5
Regional Shopping Center	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.7	50.7	< 0.005	< 0.005	—	50.9

High Turnover (Sit Down Restaurant)	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	197	197	0.02	< 0.005	—	197
Fast Food Restaurant with Drive Thru	0.01	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	131	131	0.01	< 0.005	—	131
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.83	0.41	7.28	4.44	0.05	0.57	—	0.57	0.57	—	0.57	—	8,159	8,159	0.72	0.02	—	8,181

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	6.78	3.39	58.0	24.7	0.37	4.69	—	4.69	4.69	—	4.69	0.00	73,577	73,577	1.39	0.14	—	73,653
Consumer Products	—	173	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	16.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	45.7	42.7	3.41	363	0.02	0.27	—	0.27	0.35	—	0.35	—	1,160	1,160	0.05	0.30	—	1,251
Total	52.4	236	61.4	387	0.39	4.95	—	4.95	5.04	—	5.04	0.00	74,736	74,736	1.43	0.44	—	74,904

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	6.78	3.39	58.0	24.7	0.37	4.69	—	4.69	4.69	—	4.69	0.00	73,577	73,577	1.39	0.14	—	73,653
Consumer Products	—	173	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	16.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	6.78	193	58.0	24.7	0.37	4.69	—	4.69	4.69	—	4.69	0.00	73,577	73,577	1.39	0.14	—	73,653
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.08	0.04	0.72	0.31	< 0.005	0.06	—	0.06	0.06	—	0.06	0.00	834	834	0.02	< 0.005	—	835
Consumer Products	—	31.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	3.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	5.71	5.34	0.43	45.3	< 0.005	0.03	—	0.03	0.04	—	0.04	—	132	132	0.01	0.03	—	142
Total	5.79	40.0	1.15	45.6	0.01	0.09	—	0.09	0.10	—	0.10	0.00	966	966	0.02	0.04	—	977

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	108	363	471	11.1	0.27	—	828
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	201	678	880	20.7	0.50	—	1,546
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	885	3,023	3,908	91.0	2.19	—	6,835
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	263	988	1,251	27.0	0.65	—	2,121
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	65.7	284	349	6.76	0.16	—	567
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.06	3.94	5.00	0.11	< 0.005	—	8.53
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	1.22	4.12	5.34	0.13	< 0.005	—	9.38
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	23.0	86.4	109	2.37	0.06	—	186
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	18.9	63.6	82.4	1.94	0.05	—	145

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	12.6	42.4	54.9	1.29	0.03	—	96.5
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	10.2	10.2	< 0.005	< 0.005	—	10.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,579	5,548	7,127	162	3.91	—	12,352
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	108	363	471	11.1	0.27	—	828
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	201	678	880	20.7	0.50	—	1,546
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	885	3,023	3,908	91.0	2.19	—	6,835
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	263	988	1,251	27.0	0.65	—	2,121
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	65.7	284	349	6.76	0.16	—	567
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.06	3.94	5.00	0.11	< 0.005	—	8.53

Gasoline /Service	—	—	—	—	—	—	—	—	—	—	—	1.22	4.12	5.34	0.13	< 0.005	—	9.38
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	23.0	86.4	109	2.37	0.06	—	186
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	18.9	63.6	82.4	1.94	0.05	—	145
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	12.6	42.4	54.9	1.29	0.03	—	96.5
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	10.2	10.2	< 0.005	< 0.005	—	10.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,579	5,548	7,127	162	3.91	—	12,352
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	17.9	60.2	78.0	1.84	0.04	—	137
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	33.3	112	146	3.43	0.08	—	256
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	146	501	647	15.1	0.36	—	1,132
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	43.5	164	207	4.48	0.11	—	351
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	10.9	47.0	57.8	1.12	0.03	—	93.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.18	0.65	0.83	0.02	< 0.005	—	1.41
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.68	0.88	0.02	< 0.005	—	1.55
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.81	14.3	18.1	0.39	0.01	—	30.7
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	3.12	10.5	13.6	0.32	0.01	—	24.0
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.08	7.01	9.10	0.21	0.01	—	16.0
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	1.68	1.68	< 0.005	< 0.005	—	1.69
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	261	918	1,180	26.9	0.65	—	2,045

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	555
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	230	0.00	230	23.0	0.00	—	805
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,011	0.00	1,011	101	0.00	—	3,538
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1,311	0.00	1,311	131	0.00	—	4,586
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	428	0.00	428	42.8	0.00	—	1,498
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.24	0.00	4.24	0.42	0.00	—	14.8
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.8	0.00	91.8	9.17	0.00	—	321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	208	0.00	208	20.8	0.00	—	728

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	134	0.00	134	13.4	0.00	—	470
City Park	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.21
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	555
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	230	0.00	230	23.0	0.00	—	805
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,011	0.00	1,011	101	0.00	—	3,538
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1,311	0.00	1,311	131	0.00	—	4,586
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	428	0.00	428	42.8	0.00	—	1,498
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.24	0.00	4.24	0.42	0.00	—	14.8

Gasoline /Service	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.8	0.00	91.8	9.17	0.00	—	321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	208	0.00	208	20.8	0.00	—	728
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	134	0.00	134	13.4	0.00	—	470
City Park	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.21
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	26.3	0.00	26.3	2.63	0.00	—	92.0
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	38.1	0.00	38.1	3.81	0.00	—	133
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	167	0.00	167	16.7	0.00	—	586
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	217	0.00	217	21.7	0.00	—	759
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	70.9	0.00	70.9	7.08	0.00	—	248
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.70	0.00	0.70	0.07	0.00	—	2.46
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	2.31	0.00	2.31	0.23	0.00	—	8.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	15.2	0.00	15.2	1.52	0.00	—	53.1
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	22.2	0.00	22.2	2.22	0.00	—	77.7
City Park	—	—	—	—	—	—	—	—	—	—	—	0.01	0.00	0.01	< 0.005	0.00	—	0.03
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	595	0.00	595	59.4	0.00	—	2,080

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.77	0.77
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	463	463
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.5	11.5
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	33.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.77	0.77

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	463	463
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.5	11.5
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	33.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	76.7	76.7
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.13	4.13
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.90	1.90

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.39	8.39
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.59	5.59
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	96.9	96.9

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Office Park	888	669	327	283,479	7,525	5,670	2,769	2,401,918
Refrigerated Warehouse-No Rail	564	319	306	179,702	4,780	2,706	2,594	1,522,619
Unrefrigerated Warehouse-No Rail	4,426	3,725	3,675	1,539,648	37,498	31,561	31,138	13,045,437
User Defined Industrial	1,143	927	874	391,883	35,782	29,024	27,378	12,269,872
Condo/Townhouse	18,580	11,370	9,101	5,911,360	142,672	87,311	69,884	45,393,329

Single Family Housing	7,755	7,793	6,971	2,791,565	59,549	59,839	53,527	21,436,426
Strip Mall	330	237	75.2	102,332	2,796	2,011	637	867,056
Gasoline/Service Station	2,496	4,154	4,154	1,083,962	5,649	35,198	35,198	5,143,326
Regional Shopping Center	5,320	13,204	8,133	2,499,577	20,262	56,219	34,626	10,019,460
High Turnover (Sit Down Restaurant)	1,662	2,155	2,811	692,267	5,554	18,260	23,821	3,642,197
Fast Food Restaurant with Drive Thru	4,074	7,285	4,182	1,660,093	11,305	61,729	35,436	8,013,735
City Park	2.00	2.55	2.85	803	16.9	21.6	24.1	6,800
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	2796
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	329
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	699

Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	82

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
10305711	3,435,237	4,496,411	1,498,804	151,589

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	5,527,449	346	0.0330	0.0040	8,690,939
Refrigerated Warehouse-No Rail	9,945,872	346	0.0330	0.0040	11,966,710
Unrefrigerated Warehouse-No Rail	9,219,763	346	0.0330	0.0040	37,948,738
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
Condo/Townhouse	15,946,932	346	0.0330	0.0040	61,972,315
Single Family Housing	6,255,109	346	0.0330	0.0040	25,720,146
Strip Mall	72,963	346	0.0330	0.0040	44,216

Gasoline/Service Station	64,628	346	0.0330	0.0040	290,596
Regional Shopping Center	1,577,323	346	0.0330	0.0040	955,877
High Turnover (Sit Down Restaurant)	1,137,107	346	0.0330	0.0040	3,705,461
Fast Food Restaurant with Drive Thru	758,071	346	0.0330	0.0040	2,470,307
City Park	0.00	346	0.0330	0.0040	0.00
Parking Lot	2,213,196	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	56,292,721	0.00
Refrigerated Warehouse-No Rail	105,043,925	0.00
Unrefrigerated Warehouse-No Rail	461,616,625	8,534,332
User Defined Industrial	0.00	0.00
Condo/Townhouse	137,089,385	20,519,706
Single Family Housing	34,261,926	12,397,322
Strip Mall	555,544	69,954
Gasoline/Service Station	637,531	0.00
Regional Shopping Center	12,009,896	1,755,840
High Turnover (Sit Down Restaurant)	9,842,688	0.00
Fast Food Restaurant with Drive Thru	6,561,792	0.00
City Park	0.00	2,020,880
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	295	0.00
Refrigerated Warehouse-No Rail	427	0.00
Unrefrigerated Warehouse-No Rail	1,876	0.00
User Defined Industrial	0.00	0.00
Condo/Townhouse	735	0.00
Single Family Housing	240	0.00
Strip Mall	7.88	0.00
Gasoline/Service Station	25.9	0.00
Regional Shopping Center	170	0.00
High Turnover (Sit Down Restaurant)	386	0.00
Fast Food Restaurant with Drive Thru	249	0.00
City Park	0.11	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0	annual days of extreme heat
Extreme Precipitation	3.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	84.6
AQ-PM	95.6
AQ-DPM	57.0
Drinking Water	93.3
Lead Risk Housing	7.89
Pesticides	64.8
Toxic Releases	71.4
Traffic	14.2
Effect Indicators	—
CleanUp Sites	7.71
Groundwater	81.4
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	43.8
Solid Waste	35.7
Sensitive Population	—
Asthma	58.6
Cardio-vascular	79.3
Low Birth Weights	68.1
Socioeconomic Factor Indicators	—
Education	51.5
Housing	70.8

Linguistic	15.6
Poverty	40.3
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	50.9816502
Employed	66.62389324
Median HI	72.65494675
Education	—
Bachelor's or higher	43.46208136
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	93.63531374
Active commuting	23.14897985
Social	—
2-parent households	66.79070961
Voting	49.36481458
Neighborhood	—
Alcohol availability	65.76414731
Park access	55.29321186
Retail density	20.00513281
Supermarket access	52.71397408
Tree canopy	13.73027076

Housing	—
Homeownership	73.48902862
Housing habitability	38.94520724
Low-inc homeowner severe housing cost burden	67.22699859
Low-inc renter severe housing cost burden	48.14577185
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	44.20633902
Arthritis	84.5
Asthma ER Admissions	52.8
High Blood Pressure	89.6
Cancer (excluding skin)	77.2
Asthma	51.9
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	68.9
Life Expectancy at Birth	43.6
Cognitively Disabled	92.5
Physically Disabled	86.7
Heart Attack ER Admissions	10.7
Mental Health Not Good	52.8
Chronic Kidney Disease	85.5
Obesity	50.5
Pedestrian Injuries	19.6
Physical Health Not Good	65.0
Stroke	84.7
Health Risk Behaviors	—

Binge Drinking	15.4
Current Smoker	54.4
No Leisure Time for Physical Activity	62.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	87.4
English Speaking	59.0
Foreign-born	27.3
Outdoor Workers	53.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	70.3
Traffic Density	21.2
Traffic Access	23.0
Other Indices	—
Hardship	44.7
Other Decision Support	—
2016 Voting	55.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Acreage based on Project site plan
Operations: Vehicle Data	Updated based on Project traffic study
Operations: Fleet Mix	Fleet mix adjusted based on Project traffic study
Operations: Hearths	No wood-burning stoves or fireplaces per SCAQMD Rule 445
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater

14822 Rich Haven Ph2 Ops Detailed Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use - Unmitigated
 - 4.2.3. Natural Gas Emissions By Land Use - Unmitigated
 - 4.3. Area Emissions by Source

4.3.2. Unmitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14822 Rich Haven Ph2 Ops
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.01248843179461, -117.57182350609266
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5261
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	603	Dwelling Unit	81.3	1,175,850	708,721	—	1,996	—
Condo/Townhouse	2,000	Dwelling Unit	55.9	2,120,000	242,283	—	6,620	—
City Park	27.0	Acre	27.0	0.00	1,176,120	1,176,120	—	—

Regional Shopping Center	526	1000sqft	12.1	525,990	342,382	—	—	—
High Turnover (Sit Down Restaurant)	105	1000sqft	2.42	105,198	0.00	—	—	—
Fast Food Restaurant with Drive Thru	70.1	1000sqft	1.61	70,132	0.00	—	—	—
Gasoline/Service Station	48.0	Pump	0.16	6,776	0.00	—	—	—
Parking Lot	54.5	Acre	54.5	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	294	363	244	1,941	4.54	7.50	144	152	7.36	25.7	33.1	2,920	529,145	532,064	321	22.0	1,437	548,067
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	257	327	256	1,519	4.27	7.41	144	152	7.24	25.7	33.0	2,920	502,251	505,171	322	22.6	156	520,102
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	180	260	142	1,028	2.28	3.45	77.0	80.5	3.37	13.7	17.1	2,920	275,935	278,855	312	13.6	424	291,117

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	32.9	47.4	25.9	188	0.42	0.63	14.1	14.7	0.62	2.50	3.12	483	45,684	46,168	51.6	2.25	70.3	48,198

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	268	247	185	1,736	4.17	2.81	144	147	2.63	25.7	28.3	—	428,503	428,503	21.9	20.5	1,315	436,487
Area	23.5	114	38.4	194	0.24	3.06	—	3.06	3.09	—	3.09	0.00	47,109	47,109	0.90	0.14	—	47,172
Energy	2.36	1.18	20.6	11.4	0.13	1.63	—	1.63	1.63	—	1.63	—	51,901	51,901	4.77	0.35	—	52,125
Water	—	—	—	—	—	—	—	—	—	—	—	386	1,633	2,018	39.7	0.96	—	3,297
Waste	—	—	—	—	—	—	—	—	—	—	—	2,534	0.00	2,534	253	0.00	—	8,866
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	121	121
Total	294	363	244	1,941	4.54	7.50	144	152	7.36	25.7	33.1	2,920	529,145	532,064	321	22.0	1,437	548,067
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	251	230	198	1,492	3.91	2.81	144	147	2.64	25.7	28.4	—	402,131	402,131	22.9	21.2	34.1	409,057
Area	4.29	96.3	36.7	15.6	0.23	2.97	—	2.97	2.97	—	2.97	0.00	46,587	46,587	0.88	0.09	—	46,635
Energy	2.36	1.18	20.6	11.4	0.13	1.63	—	1.63	1.63	—	1.63	—	51,901	51,901	4.77	0.35	—	52,125
Water	—	—	—	—	—	—	—	—	—	—	—	386	1,633	2,018	39.7	0.96	—	3,297
Waste	—	—	—	—	—	—	—	—	—	—	—	2,534	0.00	2,534	253	0.00	—	8,866
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	121	121
Total	257	327	256	1,519	4.27	7.41	144	152	7.24	25.7	33.0	2,920	502,251	505,171	322	22.6	156	520,102
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	164	152	117	893	2.13	1.55	77.0	78.6	1.45	13.7	15.2	—	218,854	218,854	14.0	12.2	303	223,147
Area	13.4	107	3.66	123	0.02	0.27	—	0.27	0.29	—	0.29	0.00	3,548	3,548	0.08	0.04	—	3,562
Energy	2.36	1.18	20.6	11.4	0.13	1.63	—	1.63	1.63	—	1.63	—	51,901	51,901	4.77	0.35	—	52,125
Water	—	—	—	—	—	—	—	—	—	—	—	386	1,633	2,018	39.7	0.96	—	3,297
Waste	—	—	—	—	—	—	—	—	—	—	—	2,534	0.00	2,534	253	0.00	—	8,866
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	121	121
Total	180	260	142	1,028	2.28	3.45	77.0	80.5	3.37	13.7	17.1	2,920	275,935	278,855	312	13.6	424	291,117
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	30.0	27.8	21.4	163	0.39	0.28	14.1	14.3	0.26	2.50	2.77	—	36,234	36,234	2.32	2.02	50.1	36,944
Area	2.45	19.5	0.67	22.5	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	587	587	0.01	0.01	—	590
Energy	0.43	0.22	3.75	2.07	0.02	0.30	—	0.30	0.30	—	0.30	—	8,593	8,593	0.79	0.06	—	8,630
Water	—	—	—	—	—	—	—	—	—	—	—	63.9	270	334	6.57	0.16	—	546
Waste	—	—	—	—	—	—	—	—	—	—	—	420	0.00	420	41.9	0.00	—	1,468
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Total	32.9	47.4	25.9	188	0.42	0.63	14.1	14.7	0.62	2.50	3.12	483	45,684	46,168	51.6	2.25	70.3	48,198

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	21.7	19.9	15.4	145	0.35	0.24	2.06	2.30	0.22	0.64	0.86	—	36,251	36,251	1.80	1.72	111	36,919
Condo/Townhouse	42.4	39.0	30.1	284	0.69	0.46	4.03	4.49	0.43	1.25	1.68	—	70,885	70,885	3.53	3.36	218	72,192
City Park	0.23	0.21	0.17	1.63	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	413	413	0.02	0.02	1.27	420
Regional Shopping Center	60.6	57.1	32.9	290	0.62	0.44	3.52	3.95	0.41	1.09	1.50	—	63,315	63,315	4.18	3.48	190	64,645
High Turnover (Sit Down Restaurant)	35.3	32.3	26.3	251	0.62	0.41	3.63	4.04	0.39	1.12	1.51	—	63,688	63,688	3.05	2.96	196	64,843
Fast Food Restaurant with Drive Thru	91.5	83.8	68.2	650	1.61	1.07	9.40	10.5	1.00	2.91	3.92	—	164,965	164,965	7.89	7.67	509	167,956
Gasoline /Service Station	16.1	14.7	12.0	114	0.28	0.19	1.65	1.84	0.18	0.51	0.69	—	28,986	28,986	1.39	1.35	89.4	29,512
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	268	247	185	1,736	4.17	2.81	24.3	27.1	2.63	7.53	10.2	—	428,503	428,503	21.9	20.5	1,315	436,487
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	20.3	18.5	16.5	124	0.33	0.24	2.06	2.30	0.22	0.64	0.86	—	34,015	34,015	1.89	1.77	2.89	34,593
Condo/Townhouse	39.7	36.3	32.3	243	0.65	0.46	4.03	4.49	0.43	1.25	1.68	—	66,513	66,513	3.69	3.47	5.65	67,644
City Park	0.21	0.20	0.18	1.38	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	387	387	0.02	0.02	0.03	394

Regional Shopping Center	56.6	52.9	35.1	261	0.58	0.44	3.52	3.95	0.41	1.09	1.50	—	59,520	59,520	4.47	3.59	4.93	60,705
High Turnover (Sit Down Restaurant)	33.1	30.1	28.3	213	0.58	0.41	3.63	4.04	0.39	1.12	1.51	—	59,747	59,747	3.18	3.06	5.09	60,742
Fast Food Restaurant with Drive Thru	85.8	78.0	73.2	552	1.51	1.07	9.40	10.5	1.00	2.91	3.92	—	154,756	154,756	8.23	7.91	13.2	157,334
Gasoline /Service Station	15.1	13.7	12.9	97.0	0.26	0.19	1.65	1.84	0.18	0.51	0.69	—	27,193	27,193	1.45	1.39	2.32	27,646
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	251	230	198	1,492	3.91	2.81	24.3	27.1	2.64	7.53	10.2	—	402,131	402,131	22.9	21.2	34.1	409,057
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.61	3.29	3.00	23.0	0.06	0.04	0.37	0.41	0.04	0.11	0.15	—	5,583	5,583	0.31	0.29	7.82	5,685
Condo/Townhouse	6.26	5.71	5.20	39.9	0.10	0.07	0.64	0.71	0.07	0.20	0.27	—	9,683	9,683	0.53	0.50	13.6	9,860
City Park	0.02	0.02	0.02	0.14	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	34.7	34.7	< 0.005	< 0.005	0.05	35.4
Regional Shopping Center	5.92	5.55	3.63	27.3	0.06	0.04	0.35	0.39	0.04	0.11	0.15	—	5,404	5,404	0.42	0.33	7.35	5,521
High Turnover (Sit Down Restaurant)	3.69	3.43	2.57	19.5	0.05	0.03	0.28	0.31	0.03	0.09	0.12	—	4,261	4,261	0.28	0.24	5.88	4,346

Fast Food Restaurant with Drive Thru	8.73	8.13	5.85	44.3	0.10	0.07	0.61	0.68	0.07	0.19	0.26	—	9,406	9,406	0.65	0.54	12.9	9,598
Gasoline /Service Station	1.75	1.63	1.16	8.82	0.02	0.01	0.12	0.14	0.01	0.04	0.05	—	1,862	1,862	0.13	0.11	2.56	1,900
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	30.0	27.8	21.4	163	0.39	0.28	2.37	2.65	0.26	0.73	1.00	—	36,234	36,234	2.32	2.02	50.1	36,944

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	4,352	4,352	0.41	0.05	—	4,378
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	9,198	9,198	0.88	0.11	—	9,251
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	4,853	4,853	0.46	0.06	—	4,882
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	3,499	3,499	0.33	0.04	—	3,519

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	2,333	2,333	0.22	0.03	—	2,346
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	—	61.3	61.3	0.01	< 0.005	—	61.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,973	1,973	0.19	0.02	—	1,984
Total	—	—	—	—	—	—	—	—	—	—	—	—	26,268	26,268	2.50	0.30	—	26,421
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	4,352	4,352	0.41	0.05	—	4,378
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	9,198	9,198	0.88	0.11	—	9,251
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	4,853	4,853	0.46	0.06	—	4,882
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	3,499	3,499	0.33	0.04	—	3,519
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	2,333	2,333	0.22	0.03	—	2,346
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	—	61.3	61.3	0.01	< 0.005	—	61.7

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,973	1,973	0.19	0.02	—	1,984
Total	—	—	—	—	—	—	—	—	—	—	—	—	26,268	26,268	2.50	0.30	—	26,421
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	721	721	0.07	0.01	—	725
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	1,523	1,523	0.15	0.02	—	1,532
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	804	804	0.08	0.01	—	808
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	579	579	0.06	0.01	—	583
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	386	386	0.04	< 0.005	—	388
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	—	10.1	10.1	< 0.005	< 0.005	—	10.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	327	327	0.03	< 0.005	—	328
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,349	4,349	0.41	0.05	—	4,374

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.56	0.28	4.76	2.03	0.03	0.39	—	0.39	0.39	—	0.39	—	6,047	6,047	0.54	0.01	—	6,064
Condo/Townhouse	1.11	0.56	9.51	4.05	0.06	0.77	—	0.77	0.77	—	0.77	—	12,077	12,077	1.07	0.02	—	12,111
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.09	0.05	0.83	0.70	< 0.005	0.06	—	0.06	0.06	—	0.06	—	994	994	0.09	< 0.005	—	997
High Turnover (Sit Down Restaurant)	0.36	0.18	3.23	2.71	0.02	0.25	—	0.25	0.25	—	0.25	—	3,853	3,853	0.34	0.01	—	3,863
Fast Food Restaurant with Drive Thru	0.24	0.12	2.15	1.81	0.01	0.16	—	0.16	0.16	—	0.16	—	2,568	2,568	0.23	< 0.005	—	2,576
Gasoline/Service Station	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.1	93.1	0.01	< 0.005	—	93.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	2.36	1.18	20.6	11.4	0.13	1.63	—	1.63	1.63	—	1.63	—	25,632	25,632	2.27	0.05	—	25,703
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.56	0.28	4.76	2.03	0.03	0.39	—	0.39	0.39	—	0.39	—	6,047	6,047	0.54	0.01	—	6,064

Condo/Townhouse	1.11	0.56	9.51	4.05	0.06	0.77	—	0.77	0.77	—	0.77	—	12,077	12,077	1.07	0.02	—	12,111
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.09	0.05	0.83	0.70	< 0.005	0.06	—	0.06	0.06	—	0.06	—	994	994	0.09	< 0.005	—	997
High Turnover (Sit Down Restaurant)	0.36	0.18	3.23	2.71	0.02	0.25	—	0.25	0.25	—	0.25	—	3,853	3,853	0.34	0.01	—	3,863
Fast Food Restaurant with Drive Thru	0.24	0.12	2.15	1.81	0.01	0.16	—	0.16	0.16	—	0.16	—	2,568	2,568	0.23	< 0.005	—	2,576
Gasoline/Service Station	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.1	93.1	0.01	< 0.005	—	93.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	2.36	1.18	20.6	11.4	0.13	1.63	—	1.63	1.63	—	1.63	—	25,632	25,632	2.27	0.05	—	25,703
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.10	0.05	0.87	0.37	0.01	0.07	—	0.07	0.07	—	0.07	—	1,001	1,001	0.09	< 0.005	—	1,004
Condo/Townhouse	0.20	0.10	1.74	0.74	0.01	0.14	—	0.14	0.14	—	0.14	—	2,000	2,000	0.18	< 0.005	—	2,005
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.02	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	165	165	0.01	< 0.005	—	165

High Turnover (Sit Down Restaurant)	0.06	0.03	0.59	0.49	< 0.005	0.04	—	0.04	0.04	—	0.04	—	638	638	0.06	< 0.005	—	640
Fast Food Restaurant with Drive Thru	0.04	0.02	0.39	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	425	425	0.04	< 0.005	—	426
Gasoline /Service Station	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.5
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.43	0.22	3.75	2.07	0.02	0.30	—	0.30	0.30	—	0.30	—	4,244	4,244	0.38	0.01	—	4,255

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	4.29	2.15	36.7	15.6	0.23	2.97	—	2.97	2.97	—	2.97	0.00	46,587	46,587	0.88	0.09	—	46,635
Consumer Products	—	86.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	7.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	19.2	18.0	1.67	179	0.01	0.09	—	0.09	0.12	—	0.12	—	521	521	0.02	0.05	—	536

Total	23.5	114	38.4	194	0.24	3.06	—	3.06	3.09	—	3.09	0.00	47,109	47,109	0.90	0.14	—	47,172
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	4.29	2.15	36.7	15.6	0.23	2.97	—	2.97	2.97	—	2.97	0.00	46,587	46,587	0.88	0.09	—	46,635
Consumer Products	—	86.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	7.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	4.29	96.3	36.7	15.6	0.23	2.97	—	2.97	2.97	—	2.97	0.00	46,587	46,587	0.88	0.09	—	46,635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.05	0.03	0.46	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	0.00	528	528	0.01	< 0.005	—	529
Consumer Products	—	15.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.40	2.25	0.21	22.3	< 0.005	0.01	—	0.01	0.02	—	0.02	—	59.1	59.1	< 0.005	0.01	—	60.8
Total	2.45	19.5	0.67	22.5	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	587	587	0.01	0.01	—	590

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	48.2	232	280	4.96	0.12	—	440
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	160	562	722	16.4	0.40	—	1,251
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	211	211	0.02	< 0.005	—	212
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	74.7	279	354	7.68	0.19	—	601
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	61.2	206	267	6.29	0.15	—	470
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	40.8	137	178	4.20	0.10	—	313
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	1.22	4.12	5.34	0.13	< 0.005	—	9.38
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	386	1,633	2,018	39.7	0.96	—	3,297
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	48.2	232	280	4.96	0.12	—	440

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	160	562	722	16.4	0.40	—	1,251
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	211	211	0.02	< 0.005	—	212
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	74.7	279	354	7.68	0.19	—	601
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	61.2	206	267	6.29	0.15	—	470
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	40.8	137	178	4.20	0.10	—	313
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	1.22	4.12	5.34	0.13	< 0.005	—	9.38
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	386	1,633	2,018	39.7	0.96	—	3,297
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	7.97	38.5	46.4	0.82	0.02	—	72.9
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	26.4	93.1	120	2.72	0.07	—	207
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	35.0	35.0	< 0.005	< 0.005	—	35.2
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	12.4	46.2	58.6	1.27	0.03	—	99.5

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	10.1	34.1	44.3	1.04	0.03	—	77.8
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	6.75	22.8	29.5	0.69	0.02	—	51.9
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.68	0.88	0.02	< 0.005	—	1.55
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	63.9	270	334	6.57	0.16	—	546

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	314	0.00	314	31.4	0.00	—	1,099
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	797	0.00	797	79.7	0.00	—	2,789
City Park	—	—	—	—	—	—	—	—	—	—	—	1.25	0.00	1.25	0.13	0.00	—	4.38
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	298	0.00	298	29.7	0.00	—	1,041

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,360
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	435	0.00	435	43.5	0.00	—	1,523
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,534	0.00	2,534	253	0.00	—	8,866
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	314	0.00	314	31.4	0.00	—	1,099
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	797	0.00	797	79.7	0.00	—	2,789
City Park	—	—	—	—	—	—	—	—	—	—	—	1.25	0.00	1.25	0.13	0.00	—	4.38
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	298	0.00	298	29.7	0.00	—	1,041
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,360
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	435	0.00	435	43.5	0.00	—	1,523

Gasoline Station	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,534	0.00	2,534	253	0.00	—	8,866
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	52.0	0.00	52.0	5.20	0.00	—	182
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	132	0.00	132	13.2	0.00	—	462
City Park	—	—	—	—	—	—	—	—	—	—	—	0.21	0.00	0.21	0.02	0.00	—	0.72
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	49.3	0.00	49.3	4.93	0.00	—	172
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	112	0.00	112	11.2	0.00	—	391
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	72.1	0.00	72.1	7.20	0.00	—	252
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	2.31	0.00	2.31	0.23	0.00	—	8.08
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	420	0.00	420	41.9	0.00	—	1,468

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.53	7.53
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.6	13.6
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.00	2.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.0	59.0
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39.3	39.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	121	121
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.53	7.53
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.6	13.6

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.00	2.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.0	59.0
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39.3	39.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	121	121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.25	1.25
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.25	2.25
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33	0.33
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.77	9.77
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.51	6.51
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	5,688	5,716	5,113	2,047,670	43,679	43,897	39,266	15,724,054
Condo/Townhouse	11,178	6,798	5,418	3,551,241	85,836	52,202	41,605	27,269,982
City Park	22.0	52.9	59.1	11,580	186	448	501	98,114
Regional Shopping Center	10,311	17,588	2,846	3,753,717	39,270	74,884	12,118	14,774,788
High Turnover (Sit Down Restaurant)	5,399	6,998	9,127	2,248,423	18,042	59,296	77,336	11,828,194
Fast Food Restaurant with Drive Thru	13,218	23,642	13,575	5,386,702	36,678	200,316	115,021	26,005,007
Gasoline/Service Station	2,496	4,154	4,154	1,083,962	5,649	35,198	35,198	5,143,326
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	513

Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	60
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	1700
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	200

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
6674096.25	2,224,699	1,062,144	354,048	142,441

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	4,588,602	346	0.0330	0.0040	18,867,699
Condo/Townhouse	9,697,131	346	0.0330	0.0040	37,684,594

City Park	0.00	346	0.0330	0.0040	0.00
Regional Shopping Center	5,117,006	346	0.0330	0.0040	3,100,969
High Turnover (Sit Down Restaurant)	3,688,943	346	0.0330	0.0040	12,021,066
Fast Food Restaurant with Drive Thru	2,459,295	346	0.0330	0.0040	8,014,044
Gasoline/Service Station	64,628	346	0.0330	0.0040	290,596
Parking Lot	2,079,642	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	25,133,749	13,910,646
Condo/Townhouse	83,362,350	4,755,487
City Park	0.00	41,972,125
Regional Shopping Center	38,961,406	5,498,355
High Turnover (Sit Down Restaurant)	31,931,139	0.00
Fast Food Restaurant with Drive Thru	21,287,426	0.00
Gasoline/Service Station	637,531	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	176	0.00
Condo/Townhouse	447	0.00

City Park	2.32	0.00
Regional Shopping Center	552	0.00
High Turnover (Sit Down Restaurant)	1,252	0.00
Fast Food Restaurant with Drive Thru	808	0.00
Gasoline/Service Station	25.9	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	User Defined	750	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	User Defined	750	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0

Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0	annual days of extreme heat
Extreme Precipitation	3.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A

Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	84.6
AQ-PM	95.6
AQ-DPM	57.0
Drinking Water	93.3
Lead Risk Housing	7.89
Pesticides	64.8
Toxic Releases	71.4
Traffic	14.2
Effect Indicators	—
CleanUp Sites	7.71
Groundwater	81.4
Haz Waste Facilities/Generators	81.9

Impaired Water Bodies	43.8
Solid Waste	35.7
Sensitive Population	—
Asthma	58.6
Cardio-vascular	79.3
Low Birth Weights	68.1
Socioeconomic Factor Indicators	—
Education	51.5
Housing	70.8
Linguistic	15.6
Poverty	40.3
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	50.9816502
Employed	66.62389324
Median HI	72.65494675
Education	—
Bachelor's or higher	43.46208136
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	93.63531374
Active commuting	23.14897985

Social	—
2-parent households	66.79070961
Voting	49.36481458
Neighborhood	—
Alcohol availability	65.76414731
Park access	55.29321186
Retail density	20.00513281
Supermarket access	52.71397408
Tree canopy	13.73027076
Housing	—
Homeownership	73.48902862
Housing habitability	38.94520724
Low-inc homeowner severe housing cost burden	67.22699859
Low-inc renter severe housing cost burden	48.14577185
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	44.20633902
Arthritis	84.5
Asthma ER Admissions	52.8
High Blood Pressure	89.6
Cancer (excluding skin)	77.2
Asthma	51.9
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	68.9
Life Expectancy at Birth	43.6
Cognitively Disabled	92.5

Physically Disabled	86.7
Heart Attack ER Admissions	10.7
Mental Health Not Good	52.8
Chronic Kidney Disease	85.5
Obesity	50.5
Pedestrian Injuries	19.6
Physical Health Not Good	65.0
Stroke	84.7
Health Risk Behaviors	—
Binge Drinking	15.4
Current Smoker	54.4
No Leisure Time for Physical Activity	62.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	87.4
English Speaking	59.0
Foreign-born	27.3
Outdoor Workers	53.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	70.3
Traffic Density	21.2
Traffic Access	23.0
Other Indices	—
Hardship	44.7
Other Decision Support	—

2016 Voting	55.1
-------------	------

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Acreage adjusted based on Project site plan
Operations: Vehicle Data	Trip rates adjusted based on Project traffic study
Operations: Hearths	Project will not use wood fireplaces or wood stoves per SCAQMD Rule 445
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 5.4:

CALEEMOD OPERATIONS EMISSIONS MODEL OUTPUTS – LSTs

14822 Rich Haven Ph1 Ops 2027 LST Detailed Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use - Unmitigated
 - 4.2.3. Natural Gas Emissions By Land Use - Unmitigated
 - 4.3. Area Emissions by Source

4.3.2. Unmitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14822 Rich Haven Ph1 Ops 2027 LST
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.012654365759644, -117.57100716437458
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5261
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	317	1000sqft	7.27	316,725	0.00	—	—	—
Refrigerated Warehouse-No Rail	454	1000sqft	10.4	454,244	0.00	—	—	—

Unrefrigerated Warehouse-No Rail	1,996	1000sqft	45.8	1,996,180	531,432	—	—	—
User Defined Industrial	2,767	User Defined Unit	0.00	0.00	0.00	—	—	—
Condo/Townhouse	3,289	Dwelling Unit	106	3,486,340	1,045,440	—	10,887	—
Single Family Housing	822	Dwelling Unit	72.5	1,602,900	631,620	—	2,721	—
Strip Mall	7.50	1000sqft	0.17	7,500	4,356	—	—	—
Gasoline/Service Station	48.0	Pump	0.16	6,776	0.00	—	—	—
Regional Shopping Center	162	1000sqft	3.72	162,137	109,336	—	—	—
High Turnover (Sit Down Restaurant)	32.4	1000sqft	0.74	32,427	0.00	—	—	—
Fast Food Restaurant with Drive Thru	21.6	1000sqft	0.50	21,618	0.00	—	—	—
City Park	1.30	Acre	1.30	0.00	56,628	56,628	—	—
Parking Lot	58.0	Acre	58.0	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	245	419	178	903	1.25	8.68	17.5	26.2	8.72	3.14	11.9	5,170	243,462	248,632	543	11.6	746	266,403
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	186	362	179	559	1.20	8.41	17.5	25.9	8.37	3.14	11.5	5,170	239,308	244,478	544	11.5	590	262,087
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	168	347	110	667	0.73	4.09	13.0	17.1	4.12	2.33	6.45	5,170	156,910	162,080	540	10.0	637	179,202
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	30.6	63.4	20.0	122	0.13	0.75	2.37	3.11	0.75	0.43	1.18	856	25,978	26,834	89.4	1.66	105	29,669

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	188	180	76.5	491	0.61	0.58	17.5	18.1	0.54	3.14	3.68	—	63,896	63,896	10.7	6.58	161	66,287
Area	52.4	236	61.4	387	0.39	4.95	—	4.95	5.04	—	5.04	0.00	74,736	74,736	1.43	0.44	—	74,904
Energy	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	99,282	99,282	9.13	0.67	—	99,710
Water	—	—	—	—	—	—	—	—	—	—	—	1,579	5,548	7,127	162	3.91	—	12,352
Waste	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Total	245	419	178	903	1.25	8.68	17.5	26.2	8.72	3.14	11.9	5,170	243,462	248,632	543	11.6	746	266,403
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	174	167	80.9	510	0.58	0.59	17.5	18.1	0.55	3.14	3.68	—	60,902	60,902	11.8	6.78	4.17	63,222

Area	6.78	193	58.0	24.7	0.37	4.69	—	4.69	4.69	—	4.69	0.00	73,577	73,577	1.39	0.14	—	73,653
Energy	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	99,282	99,282	9.13	0.67	—	99,710
Water	—	—	—	—	—	—	—	—	—	—	—	1,579	5,548	7,127	162	3.91	—	12,352
Waste	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Total	186	362	179	559	1.20	8.41	17.5	25.9	8.37	3.14	11.5	5,170	239,308	244,478	544	11.5	590	262,087
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	132	126	63.3	393	0.44	0.45	13.0	13.4	0.42	2.33	2.75	—	46,247	46,247	9.10	5.24	51.6	48,088
Area	31.7	219	6.31	250	0.04	0.50	—	0.50	0.56	—	0.56	0.00	5,834	5,834	0.13	0.22	—	5,902
Energy	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	99,282	99,282	9.13	0.67	—	99,710
Water	—	—	—	—	—	—	—	—	—	—	—	1,579	5,548	7,127	162	3.91	—	12,352
Waste	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Total	168	347	110	667	0.73	4.09	13.0	17.1	4.12	2.33	6.45	5,170	156,910	162,080	540	10.0	637	179,202
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	24.0	22.9	11.6	71.6	0.08	0.08	2.37	2.45	0.08	0.43	0.50	—	7,657	7,657	1.51	0.87	8.54	7,961
Area	5.79	40.0	1.15	45.6	0.01	0.09	—	0.09	0.10	—	0.10	0.00	966	966	0.02	0.04	—	977
Energy	0.83	0.41	7.28	4.44	0.05	0.57	—	0.57	0.57	—	0.57	—	16,437	16,437	1.51	0.11	—	16,508
Water	—	—	—	—	—	—	—	—	—	—	—	261	918	1,180	26.9	0.65	—	2,045
Waste	—	—	—	—	—	—	—	—	—	—	—	595	0.00	595	59.4	0.00	—	2,080
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	96.9	96.9
Total	30.6	63.4	20.0	122	0.13	0.75	2.37	3.11	0.75	0.43	1.18	856	25,978	26,834	89.4	1.66	105	29,669

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	2.49	2.43	0.55	7.10	0.01	0.01	0.03	0.04	0.01	0.01	0.01	—	754	754	0.12	0.07	1.84	780
Refrigerated Warehouse-No Rail	1.58	1.54	0.35	4.51	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	479	479	0.08	0.04	1.17	495
Unrefrigerated Warehouse-No Rail	12.4	12.1	2.72	35.4	0.04	0.03	0.15	0.18	0.03	0.05	0.07	—	3,760	3,760	0.62	0.34	9.17	3,885
User Defined Industrial	1.77	0.71	13.9	11.7	0.04	0.05	0.26	0.32	0.05	0.09	0.14	—	4,457	4,457	1.01	0.71	8.26	4,701
Condo/Townhouse	58.0	56.1	20.1	147	0.18	0.17	0.87	1.04	0.16	0.27	0.43	—	18,384	18,384	3.04	1.85	47.2	19,059
Single Family Housing	24.3	23.5	8.44	61.8	0.07	0.07	0.37	0.44	0.07	0.11	0.18	—	7,711	7,711	1.28	0.78	19.8	7,994
Strip Mall	1.03	1.00	0.36	2.62	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	327	327	0.05	0.03	0.84	339
Gasoline/Service Station	13.0	12.5	4.50	32.9	0.04	0.04	0.20	0.23	0.03	0.06	0.10	—	4,110	4,110	0.68	0.41	10.5	4,261
Regional Shopping Center	41.3	39.9	14.6	108	0.13	0.12	0.67	0.79	0.12	0.21	0.32	—	13,921	13,921	2.19	1.35	36.2	14,414

High Turnover (Sit Down Restaurant)	8.78	8.49	3.05	22.3	0.03	0.03	0.13	0.16	0.02	0.04	0.06	—	2,782	2,782	0.46	0.28	7.14	2,884
Fast Food Restaurant with Drive Thru	22.8	22.0	7.89	57.8	0.07	0.07	0.34	0.41	0.06	0.11	0.17	—	7,209	7,209	1.19	0.73	18.5	7,473
City Park	0.01	0.01	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.82	2.82	< 0.005	< 0.005	0.01	2.92
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	188	180	76.5	491	0.61	0.58	3.06	3.64	0.54	0.95	1.49	—	63,896	63,896	10.7	6.58	161	66,287
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	2.36	2.28	0.59	7.39	0.01	0.01	0.03	0.04	0.01	0.01	0.01	—	707	707	0.14	0.07	0.05	731
Refrigerated Warehouse-No Rail	1.50	1.45	0.37	4.70	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	449	449	0.09	0.04	0.03	465
Unrefrigerated Warehouse-No Rail	11.7	11.4	2.93	36.8	0.03	0.03	0.15	0.18	0.03	0.05	0.07	—	3,522	3,522	0.71	0.35	0.24	3,645
User Defined Industrial	1.69	0.64	14.6	11.9	0.04	0.05	0.26	0.32	0.05	0.09	0.14	—	4,479	4,479	1.01	0.71	0.21	4,716
Condo/Townhouse	53.8	51.7	21.3	153	0.17	0.17	0.87	1.04	0.16	0.27	0.43	—	17,476	17,476	3.37	1.91	1.22	18,131
Single Family Housing	22.6	21.7	8.95	64.4	0.07	0.07	0.37	0.44	0.07	0.11	0.18	—	7,330	7,330	1.41	0.80	0.51	7,604

Strip Mall	0.96	0.92	0.38	2.73	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	310	310	0.06	0.03	0.02	322
Gasoline /Service Station	12.0	11.6	4.77	34.3	0.04	0.04	0.20	0.23	0.03	0.06	0.10	—	3,908	3,908	0.75	0.43	0.27	4,054
Regional Shopping Center	38.3	36.8	15.4	111	0.13	0.12	0.67	0.79	0.12	0.21	0.32	—	13,222	13,222	2.42	1.39	0.94	13,697
High Turnover (Sit Down Restaurant)	8.14	7.83	3.23	23.2	0.03	0.03	0.13	0.16	0.02	0.04	0.06	—	2,644	2,644	0.51	0.29	0.19	2,744
Fast Food Restaurant with Drive Thru	21.1	20.3	8.37	60.2	0.07	0.07	0.34	0.41	0.06	0.11	0.17	—	6,853	6,853	1.32	0.75	0.48	7,109
City Park	0.01	0.01	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.68	2.68	< 0.005	< 0.005	< 0.005	2.78
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	174	167	80.9	510	0.58	0.59	3.06	3.65	0.55	0.95	1.50	—	60,902	60,902	11.8	6.78	4.17	63,222
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.37	0.36	0.09	1.19	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	103	103	0.02	0.01	0.12	107
Refrigerated Warehouse-No Rail	0.24	0.23	0.06	0.76	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	65.6	65.6	0.01	0.01	0.07	67.9
Unrefrigerated Warehouse-No Rail	2.02	1.95	0.52	6.49	0.01	0.01	0.03	0.03	< 0.005	0.01	0.01	—	562	562	0.11	0.06	0.62	582
User Defined Industrial	0.30	0.12	2.45	2.02	0.01	0.01	0.05	0.05	0.01	0.01	0.02	—	695	695	0.16	0.11	0.55	732

Condo/T	8.47	8.14	3.40	24.7	0.03	0.03	0.14	0.17	0.02	0.04	0.07	—	2,542	2,542	0.48	0.28	2.94	2,640
Single Family Housing	4.00	3.84	1.60	11.6	0.01	0.01	0.07	0.08	0.01	0.02	0.03	—	1,201	1,201	0.23	0.13	1.39	1,247
Strip Mall	0.15	0.14	0.06	0.43	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	44.0	44.0	0.01	< 0.005	0.05	45.7
Gasoline /Service Station	1.55	1.49	0.61	4.43	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	435	435	0.09	0.05	0.49	453
Regional Shopping Center	3.58	3.44	1.44	10.5	0.01	0.01	0.06	0.07	0.01	0.02	0.03	—	1,094	1,094	0.21	0.12	1.27	1,135
High Turnover (Sit Down Restaurnart)	0.99	0.95	0.39	2.82	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	275	275	0.06	0.03	0.31	286
Fast Food Restaurnart with Drive Thru	2.37	2.28	0.93	6.70	0.01	0.01	0.03	0.04	0.01	0.01	0.02	—	639	639	0.13	0.07	0.72	665
City Park	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.35	0.35	< 0.005	< 0.005	< 0.005	0.36
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	24.0	22.9	11.6	71.6	0.08	0.08	0.42	0.50	0.08	0.13	0.21	—	7,657	7,657	1.51	0.87	8.54	7,961

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	5,243	5,243	0.50	0.06	—	5,273
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	9,433	9,433	0.90	0.11	—	9,488
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,745	8,745	0.83	0.10	—	8,796
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	15,125	15,125	1.44	0.17	—	15,214
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	5,933	5,933	0.57	0.07	—	5,967
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	69.2	69.2	0.01	< 0.005	—	69.6
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	61.3	61.3	0.01	< 0.005	—	61.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,496	1,496	0.14	0.02	—	1,505
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	1,079	1,079	0.10	0.01	—	1,085
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	719	719	0.07	0.01	—	723

City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,099	2,099	0.20	0.02	—	2,111
Total	—	—	—	—	—	—	—	—	—	—	—	—	50,002	50,002	4.77	0.58	—	50,294
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	5,243	5,243	0.50	0.06	—	5,273
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	9,433	9,433	0.90	0.11	—	9,488
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,745	8,745	0.83	0.10	—	8,796
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	15,125	15,125	1.44	0.17	—	15,214
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	5,933	5,933	0.57	0.07	—	5,967
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	69.2	69.2	0.01	< 0.005	—	69.6
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	—	61.3	61.3	0.01	< 0.005	—	61.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,496	1,496	0.14	0.02	—	1,505

High Turnover (Sit Down Restaurnt)	—	—	—	—	—	—	—	—	—	—	—	—	1,079	1,079	0.10	0.01	—	1,085
Fast Food Restaurnt with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	719	719	0.07	0.01	—	723
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,099	2,099	0.20	0.02	—	2,111
Total	—	—	—	—	—	—	—	—	—	—	—	—	50,002	50,002	4.77	0.58	—	50,294
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	868	868	0.08	0.01	—	873
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,562	1,562	0.15	0.02	—	1,571
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,448	1,448	0.14	0.02	—	1,456
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	2,504	2,504	0.24	0.03	—	2,519
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	982	982	0.09	0.01	—	988

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	11.5	11.5	< 0.005	< 0.005	—	11.5
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	—	10.1	10.1	< 0.005	< 0.005	—	10.2
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	248	248	0.02	< 0.005	—	249
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	179	179	0.02	< 0.005	—	180
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	119	119	0.01	< 0.005	—	120
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	348	348	0.03	< 0.005	—	350
Total	—	—	—	—	—	—	—	—	—	—	—	—	8,278	8,278	0.79	0.10	—	8,327

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.26	0.13	2.33	1.96	0.01	0.18	—	0.18	0.18	—	0.18	—	2,785	2,785	0.25	0.01	—	2,793
Refrigerated Warehouse-No Rail	0.35	0.18	3.21	2.70	0.02	0.24	—	0.24	0.24	—	0.24	—	3,835	3,835	0.34	0.01	—	3,846

Unrefrige Warehouse-No Rail	1.12	0.56	10.2	8.56	0.06	0.77	—	0.77	0.77	—	0.77	—	12,162	12,162	1.08	0.02	—	12,196
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	1.83	0.92	15.6	6.66	0.10	1.27	—	1.27	1.27	—	1.27	—	19,861	19,861	1.76	0.04	—	19,916
Single Family Housing	0.76	0.38	6.49	2.76	0.04	0.53	—	0.53	0.53	—	0.53	—	8,243	8,243	0.73	0.02	—	8,266
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.2	14.2	< 0.005	< 0.005	—	14.2
Gasoline/Service Station	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.1	93.1	0.01	< 0.005	—	93.4
Regional Shopping Center	0.03	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	—	306	306	0.03	< 0.005	—	307
High Turnover (Sit Down Restaurant)	0.11	0.05	1.00	0.84	0.01	0.08	—	0.08	0.08	—	0.08	—	1,188	1,188	0.11	< 0.005	—	1,191
Fast Food Restaurant with Drive Thru	0.07	0.04	0.66	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	792	792	0.07	< 0.005	—	794
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	49,280	49,280	4.36	0.09	—	49,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	0.26	0.13	2.33	1.96	0.01	0.18	—	0.18	0.18	—	0.18	—	2,785	2,785	0.25	0.01	—	2,793
Refrigerated Warehouse-No Rail	0.35	0.18	3.21	2.70	0.02	0.24	—	0.24	0.24	—	0.24	—	3,835	3,835	0.34	0.01	—	3,846
Unrefrigerated Warehouse-No Rail	1.12	0.56	10.2	8.56	0.06	0.77	—	0.77	0.77	—	0.77	—	12,162	12,162	1.08	0.02	—	12,196
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	1.83	0.92	15.6	6.66	0.10	1.27	—	1.27	1.27	—	1.27	—	19,861	19,861	1.76	0.04	—	19,916
Single Family Housing	0.76	0.38	6.49	2.76	0.04	0.53	—	0.53	0.53	—	0.53	—	8,243	8,243	0.73	0.02	—	8,266
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.2	14.2	< 0.005	< 0.005	—	14.2
Gasoline/Service Station	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.1	93.1	0.01	< 0.005	—	93.4
Regional Shopping Center	0.03	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	—	306	306	0.03	< 0.005	—	307
High Turnover (Sit Down Restaurant)	0.11	0.05	1.00	0.84	0.01	0.08	—	0.08	0.08	—	0.08	—	1,188	1,188	0.11	< 0.005	—	1,191
Fast Food Restaurant with Drive Thru	0.07	0.04	0.66	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	792	792	0.07	< 0.005	—	794

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	4.54	2.27	39.9	24.3	0.25	3.14	—	3.14	3.14	—	3.14	—	49,280	49,280	4.36	0.09	—	49,416
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.05	0.02	0.43	0.36	< 0.005	0.03	—	0.03	0.03	—	0.03	—	461	461	0.04	< 0.005	—	462
Refrigerated Warehouse-No Rail	0.06	0.03	0.59	0.49	< 0.005	0.04	—	0.04	0.04	—	0.04	—	635	635	0.06	< 0.005	—	637
Unrefrigerated Warehouse-No Rail	0.20	0.10	1.86	1.56	0.01	0.14	—	0.14	0.14	—	0.14	—	2,014	2,014	0.18	< 0.005	—	2,019
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	0.33	0.17	2.86	1.22	0.02	0.23	—	0.23	0.23	—	0.23	—	3,288	3,288	0.29	0.01	—	3,297
Single Family Housing	0.14	0.07	1.19	0.50	0.01	0.10	—	0.10	0.10	—	0.10	—	1,365	1,365	0.12	< 0.005	—	1,368
Strip Mall	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.35	2.35	< 0.005	< 0.005	—	2.35
Gasoline/Service Station	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.5
Regional Shopping Center	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.7	50.7	< 0.005	< 0.005	—	50.9

High Turnover (Sit Down Restaurant)	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	197	197	0.02	< 0.005	—	197
Fast Food Restaurant with Drive Thru	0.01	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	131	131	0.01	< 0.005	—	131
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.83	0.41	7.28	4.44	0.05	0.57	—	0.57	0.57	—	0.57	—	8,159	8,159	0.72	0.02	—	8,181

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	6.78	3.39	58.0	24.7	0.37	4.69	—	4.69	4.69	—	4.69	0.00	73,577	73,577	1.39	0.14	—	73,653
Consumer Products	—	173	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	16.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	45.7	42.7	3.41	363	0.02	0.27	—	0.27	0.35	—	0.35	—	1,160	1,160	0.05	0.30	—	1,251
Total	52.4	236	61.4	387	0.39	4.95	—	4.95	5.04	—	5.04	0.00	74,736	74,736	1.43	0.44	—	74,904

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	6.78	3.39	58.0	24.7	0.37	4.69	—	4.69	4.69	—	4.69	0.00	73,577	73,577	1.39	0.14	—	73,653
Consumer Products	—	173	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	16.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	6.78	193	58.0	24.7	0.37	4.69	—	4.69	4.69	—	4.69	0.00	73,577	73,577	1.39	0.14	—	73,653
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.08	0.04	0.72	0.31	< 0.005	0.06	—	0.06	0.06	—	0.06	0.00	834	834	0.02	< 0.005	—	835
Consumer Products	—	31.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	3.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	5.71	5.34	0.43	45.3	< 0.005	0.03	—	0.03	0.04	—	0.04	—	132	132	0.01	0.03	—	142
Total	5.79	40.0	1.15	45.6	0.01	0.09	—	0.09	0.10	—	0.10	0.00	966	966	0.02	0.04	—	977

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	108	363	471	11.1	0.27	—	828
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	201	678	880	20.7	0.50	—	1,546
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	885	3,023	3,908	91.0	2.19	—	6,835
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	263	988	1,251	27.0	0.65	—	2,121
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	65.7	284	349	6.76	0.16	—	567
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.06	3.94	5.00	0.11	< 0.005	—	8.53
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	1.22	4.12	5.34	0.13	< 0.005	—	9.38
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	23.0	86.4	109	2.37	0.06	—	186
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	18.9	63.6	82.4	1.94	0.05	—	145

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	12.6	42.4	54.9	1.29	0.03	—	96.5
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	10.2	10.2	< 0.005	< 0.005	—	10.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,579	5,548	7,127	162	3.91	—	12,352
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	108	363	471	11.1	0.27	—	828
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	201	678	880	20.7	0.50	—	1,546
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	885	3,023	3,908	91.0	2.19	—	6,835
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	263	988	1,251	27.0	0.65	—	2,121
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	65.7	284	349	6.76	0.16	—	567
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.06	3.94	5.00	0.11	< 0.005	—	8.53

Gasoline /Service	—	—	—	—	—	—	—	—	—	—	—	1.22	4.12	5.34	0.13	< 0.005	—	9.38
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	23.0	86.4	109	2.37	0.06	—	186
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	18.9	63.6	82.4	1.94	0.05	—	145
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	12.6	42.4	54.9	1.29	0.03	—	96.5
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	10.2	10.2	< 0.005	< 0.005	—	10.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,579	5,548	7,127	162	3.91	—	12,352
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	17.9	60.2	78.0	1.84	0.04	—	137
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	33.3	112	146	3.43	0.08	—	256
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	146	501	647	15.1	0.36	—	1,132
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	43.5	164	207	4.48	0.11	—	351
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	10.9	47.0	57.8	1.12	0.03	—	93.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.18	0.65	0.83	0.02	< 0.005	—	1.41
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.68	0.88	0.02	< 0.005	—	1.55
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.81	14.3	18.1	0.39	0.01	—	30.7
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	3.12	10.5	13.6	0.32	0.01	—	24.0
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.08	7.01	9.10	0.21	0.01	—	16.0
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	1.68	1.68	< 0.005	< 0.005	—	1.69
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	261	918	1,180	26.9	0.65	—	2,045

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	555
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	230	0.00	230	23.0	0.00	—	805
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,011	0.00	1,011	101	0.00	—	3,538
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1,311	0.00	1,311	131	0.00	—	4,586
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	428	0.00	428	42.8	0.00	—	1,498
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.24	0.00	4.24	0.42	0.00	—	14.8
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.8	0.00	91.8	9.17	0.00	—	321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	208	0.00	208	20.8	0.00	—	728

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	134	0.00	134	13.4	0.00	—	470
City Park	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.21
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	555
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	230	0.00	230	23.0	0.00	—	805
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,011	0.00	1,011	101	0.00	—	3,538
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1,311	0.00	1,311	131	0.00	—	4,586
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	428	0.00	428	42.8	0.00	—	1,498
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.24	0.00	4.24	0.42	0.00	—	14.8

Gasoline /Service	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.8	0.00	91.8	9.17	0.00	—	321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	208	0.00	208	20.8	0.00	—	728
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	134	0.00	134	13.4	0.00	—	470
City Park	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.21
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,591	0.00	3,591	359	0.00	—	12,565
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	26.3	0.00	26.3	2.63	0.00	—	92.0
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	38.1	0.00	38.1	3.81	0.00	—	133
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	167	0.00	167	16.7	0.00	—	586
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	217	0.00	217	21.7	0.00	—	759
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	70.9	0.00	70.9	7.08	0.00	—	248
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.70	0.00	0.70	0.07	0.00	—	2.46
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	2.31	0.00	2.31	0.23	0.00	—	8.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	15.2	0.00	15.2	1.52	0.00	—	53.1
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	22.2	0.00	22.2	2.22	0.00	—	77.7
City Park	—	—	—	—	—	—	—	—	—	—	—	0.01	0.00	0.01	< 0.005	0.00	—	0.03
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	595	0.00	595	59.4	0.00	—	2,080

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.77	0.77
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	463	463
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.5	11.5
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	33.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.77	0.77

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	463	463
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.5	11.5
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	33.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	585	585
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	76.7	76.7
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.13	4.13
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.90	1.90

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.39	8.39
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.59	5.59
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	96.9	96.9

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Office Park	888	669	327	283,479	888	669	327	283,479
Refrigerated Warehouse-No Rail	564	319	306	179,702	564	319	306	179,702
Unrefrigerated Warehouse-No Rail	4,426	3,725	3,675	1,539,648	4,426	3,725	3,675	1,539,648
User Defined Industrial	1,143	927	874	391,883	1,143	927	874	391,883
Condo/Townhouse	18,580	11,370	9,101	5,911,360	18,580	11,370	9,101	5,911,360

Single Family Housing	7,755	7,793	6,971	2,791,565	7,755	7,793	6,971	2,791,565
Strip Mall	330	237	75.2	102,332	330	237	75.2	102,332
Gasoline/Service Station	2,496	4,154	4,154	1,083,962	2,153	4,154	4,154	994,550
Regional Shopping Center	5,320	13,204	8,133	2,499,577	5,186	14,273	8,791	2,554,631
High Turnover (Sit Down Restaurant)	1,662	2,155	2,811	692,267	1,412	2,155	2,811	627,055
Fast Food Restaurant with Drive Thru	4,074	7,285	4,182	1,660,093	3,237	7,285	4,182	1,441,823
City Park	2.00	2.55	2.85	803	2.00	2.55	2.85	803
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	2796
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	329
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	699

Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	82

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
10305711	3,435,237	4,496,411	1,498,804	151,589

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	5,527,449	346	0.0330	0.0040	8,690,939
Refrigerated Warehouse-No Rail	9,945,872	346	0.0330	0.0040	11,966,710
Unrefrigerated Warehouse-No Rail	9,219,763	346	0.0330	0.0040	37,948,738
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
Condo/Townhouse	15,946,932	346	0.0330	0.0040	61,972,315
Single Family Housing	6,255,109	346	0.0330	0.0040	25,720,146
Strip Mall	72,963	346	0.0330	0.0040	44,216

Gasoline/Service Station	64,628	346	0.0330	0.0040	290,596
Regional Shopping Center	1,577,323	346	0.0330	0.0040	955,877
High Turnover (Sit Down Restaurant)	1,137,107	346	0.0330	0.0040	3,705,461
Fast Food Restaurant with Drive Thru	758,071	346	0.0330	0.0040	2,470,307
City Park	0.00	346	0.0330	0.0040	0.00
Parking Lot	2,213,196	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	56,292,721	0.00
Refrigerated Warehouse-No Rail	105,043,925	0.00
Unrefrigerated Warehouse-No Rail	461,616,625	8,534,332
User Defined Industrial	0.00	0.00
Condo/Townhouse	137,089,385	20,519,706
Single Family Housing	34,261,926	12,397,322
Strip Mall	555,544	69,954
Gasoline/Service Station	637,531	0.00
Regional Shopping Center	12,009,896	1,755,840
High Turnover (Sit Down Restaurant)	9,842,688	0.00
Fast Food Restaurant with Drive Thru	6,561,792	0.00
City Park	0.00	2,020,880
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	295	0.00
Refrigerated Warehouse-No Rail	427	0.00
Unrefrigerated Warehouse-No Rail	1,876	0.00
User Defined Industrial	0.00	0.00
Condo/Townhouse	735	0.00
Single Family Housing	240	0.00
Strip Mall	7.88	0.00
Gasoline/Service Station	25.9	0.00
Regional Shopping Center	170	0.00
High Turnover (Sit Down Restaurant)	386	0.00
Fast Food Restaurant with Drive Thru	249	0.00
City Park	0.11	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0	annual days of extreme heat
Extreme Precipitation	3.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	84.6
AQ-PM	95.6
AQ-DPM	57.0
Drinking Water	93.3
Lead Risk Housing	7.89
Pesticides	64.8
Toxic Releases	71.4
Traffic	14.2
Effect Indicators	—
CleanUp Sites	7.71
Groundwater	81.4
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	43.8
Solid Waste	35.7
Sensitive Population	—
Asthma	58.6
Cardio-vascular	79.3
Low Birth Weights	68.1
Socioeconomic Factor Indicators	—
Education	51.5
Housing	70.8

Linguistic	15.6
Poverty	40.3
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	50.9816502
Employed	66.62389324
Median HI	72.65494675
Education	—
Bachelor's or higher	43.46208136
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	93.63531374
Active commuting	23.14897985
Social	—
2-parent households	66.79070961
Voting	49.36481458
Neighborhood	—
Alcohol availability	65.76414731
Park access	55.29321186
Retail density	20.00513281
Supermarket access	52.71397408
Tree canopy	13.73027076

Housing	—
Homeownership	73.48902862
Housing habitability	38.94520724
Low-inc homeowner severe housing cost burden	67.22699859
Low-inc renter severe housing cost burden	48.14577185
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	44.20633902
Arthritis	84.5
Asthma ER Admissions	52.8
High Blood Pressure	89.6
Cancer (excluding skin)	77.2
Asthma	51.9
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	68.9
Life Expectancy at Birth	43.6
Cognitively Disabled	92.5
Physically Disabled	86.7
Heart Attack ER Admissions	10.7
Mental Health Not Good	52.8
Chronic Kidney Disease	85.5
Obesity	50.5
Pedestrian Injuries	19.6
Physical Health Not Good	65.0
Stroke	84.7
Health Risk Behaviors	—

Binge Drinking	15.4
Current Smoker	54.4
No Leisure Time for Physical Activity	62.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	87.4
English Speaking	59.0
Foreign-born	27.3
Outdoor Workers	53.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	70.3
Traffic Density	21.2
Traffic Access	23.0
Other Indices	—
Hardship	44.7
Other Decision Support	—
2016 Voting	55.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Acreage based on Project site plan
Operations: Vehicle Data	Updated based on Project traffic study
Operations: Fleet Mix	Fleet mix adjusted based on Project traffic study
Operations: Hearths	No wood-burning stoves or fireplaces per SCAQMD Rule 445
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater

14822 Rich Haven Ph2 Ops LST Detailed Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use - Unmitigated
 - 4.2.3. Natural Gas Emissions By Land Use - Unmitigated
 - 4.3. Area Emissions by Source

4.3.2. Unmitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14822 Rich Haven Ph2 Ops LST
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.01248843179461, -117.57182350609266
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5261
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	603	Dwelling Unit	81.3	1,175,850	708,721	—	1,996	—
Condo/Townhouse	2,000	Dwelling Unit	55.9	2,120,000	242,283	—	6,620	—
City Park	27.0	Acre	27.0	0.00	1,176,120	1,176,120	—	—

Regional Shopping Center	526	1000sqft	12.1	525,990	342,382	—	—	—
High Turnover (Sit Down Restaurant)	105	1000sqft	2.42	105,198	0.00	—	—	—
Fast Food Restaurant with Drive Thru	70.1	1000sqft	1.61	70,132	0.00	—	—	—
Gasoline/Service Station	48.0	Pump	0.16	6,776	0.00	—	—	—
Parking Lot	54.5	Acre	54.5	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	249	331	137	776	1.07	5.34	20.3	25.7	5.33	3.62	8.95	2,920	172,494	175,414	310	8.61	307	186,046
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	214	297	140	620	1.02	5.25	20.3	25.6	5.21	3.62	8.83	2,920	168,409	171,329	312	8.79	126	181,865
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	157	244	80.5	542	0.58	2.33	13.1	15.4	2.32	2.33	4.65	2,920	102,000	104,920	307	6.37	173	114,659

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	28.7	44.5	14.7	99.0	0.11	0.43	2.38	2.81	0.42	0.42	0.85	483	16,887	17,371	50.8	1.05	28.6	18,983

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	223	216	77.7	571	0.70	0.65	20.3	21.0	0.60	3.62	4.22	—	71,853	71,853	11.7	7.16	185	74,465
Area	23.5	114	38.4	194	0.24	3.06	—	3.06	3.09	—	3.09	0.00	47,109	47,109	0.90	0.14	—	47,172
Energy	2.36	1.18	20.6	11.4	0.13	1.63	—	1.63	1.63	—	1.63	—	51,901	51,901	4.77	0.35	—	52,125
Water	—	—	—	—	—	—	—	—	—	—	—	386	1,633	2,018	39.7	0.96	—	3,297
Waste	—	—	—	—	—	—	—	—	—	—	—	2,534	0.00	2,534	253	0.00	—	8,866
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	121	121
Total	249	331	137	776	1.07	5.34	20.3	25.7	5.33	3.62	8.95	2,920	172,494	175,414	310	8.61	307	186,046
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	207	199	82.4	593	0.66	0.65	20.3	21.0	0.61	3.62	4.23	—	68,289	68,289	13.0	7.39	4.80	70,821
Area	4.29	96.3	36.7	15.6	0.23	2.97	—	2.97	2.97	—	2.97	0.00	46,587	46,587	0.88	0.09	—	46,635
Energy	2.36	1.18	20.6	11.4	0.13	1.63	—	1.63	1.63	—	1.63	—	51,901	51,901	4.77	0.35	—	52,125
Water	—	—	—	—	—	—	—	—	—	—	—	386	1,633	2,018	39.7	0.96	—	3,297
Waste	—	—	—	—	—	—	—	—	—	—	—	2,534	0.00	2,534	253	0.00	—	8,866
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	121	121
Total	214	297	140	620	1.02	5.25	20.3	25.6	5.21	3.62	8.83	2,920	168,409	171,329	312	8.79	126	181,865
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	142	136	56.2	408	0.43	0.43	13.1	13.5	0.40	2.33	2.73	—	44,919	44,919	8.89	5.02	51.3	46,689
Area	13.4	107	3.66	123	0.02	0.27	—	0.27	0.29	—	0.29	0.00	3,548	3,548	0.08	0.04	—	3,562
Energy	2.36	1.18	20.6	11.4	0.13	1.63	—	1.63	1.63	—	1.63	—	51,901	51,901	4.77	0.35	—	52,125
Water	—	—	—	—	—	—	—	—	—	—	—	386	1,633	2,018	39.7	0.96	—	3,297
Waste	—	—	—	—	—	—	—	—	—	—	—	2,534	0.00	2,534	253	0.00	—	8,866
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	121	121
Total	157	244	80.5	542	0.58	2.33	13.1	15.4	2.32	2.33	4.65	2,920	102,000	104,920	307	6.37	173	114,659
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	25.9	24.9	10.3	74.4	0.08	0.08	2.38	2.46	0.07	0.42	0.50	—	7,437	7,437	1.47	0.83	8.50	7,730
Area	2.45	19.5	0.67	22.5	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	587	587	0.01	0.01	—	590
Energy	0.43	0.22	3.75	2.07	0.02	0.30	—	0.30	0.30	—	0.30	—	8,593	8,593	0.79	0.06	—	8,630
Water	—	—	—	—	—	—	—	—	—	—	—	63.9	270	334	6.57	0.16	—	546
Waste	—	—	—	—	—	—	—	—	—	—	—	420	0.00	420	41.9	0.00	—	1,468
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1
Total	28.7	44.5	14.7	99.0	0.11	0.43	2.38	2.81	0.42	0.42	0.85	483	16,887	17,371	50.8	1.05	28.6	18,983

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	17.9	17.3	6.19	45.3	0.05	0.05	0.27	0.32	0.05	0.08	0.13	—	5,656	5,656	0.94	0.57	14.5	5,864
Condo/Townhouse	34.9	33.7	12.1	88.7	0.11	0.10	0.52	0.63	0.09	0.16	0.26	—	11,060	11,060	1.83	1.11	28.4	11,466
City Park	0.18	0.18	0.06	0.47	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	58.5	58.5	0.01	0.01	0.15	60.7
Regional Shopping Center	55.1	53.2	19.4	143	0.18	0.16	0.89	1.06	0.15	0.28	0.43	—	18,543	18,543	2.91	1.79	48.3	19,199
High Turnover (Sit Down Restaurant)	28.5	27.5	9.89	72.4	0.09	0.08	0.43	0.51	0.08	0.13	0.21	—	9,031	9,031	1.50	0.91	23.2	9,363
Fast Food Restaurant with Drive Thru	73.8	71.4	25.6	188	0.23	0.21	1.11	1.32	0.20	0.34	0.54	—	23,393	23,393	3.87	2.35	60.0	24,251
Gasoline /Service Station	13.0	12.5	4.50	32.9	0.04	0.04	0.20	0.23	0.03	0.06	0.10	—	4,110	4,110	0.68	0.41	10.5	4,261
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	223	216	77.7	571	0.70	0.65	3.42	4.07	0.60	1.06	1.66	—	71,853	71,853	11.7	7.16	185	74,465
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	16.6	15.9	6.57	47.2	0.05	0.05	0.27	0.32	0.05	0.08	0.13	—	5,377	5,377	1.04	0.59	0.38	5,578
Condo/Townhouse	32.4	31.1	12.8	92.3	0.10	0.10	0.52	0.63	0.09	0.16	0.26	—	10,514	10,514	2.03	1.15	0.74	10,908
City Park	0.17	0.16	0.07	0.49	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	55.6	55.6	0.01	0.01	< 0.005	57.7

Regional Shopping Center	51.1	49.1	20.6	148	0.17	0.17	0.89	1.06	0.15	0.28	0.43	—	17,611	17,611	3.22	1.85	1.25	18,245
High Turnover (Sit Down Restaurant)	26.4	25.4	10.5	75.4	0.08	0.08	0.43	0.51	0.08	0.13	0.21	—	8,585	8,585	1.65	0.94	0.60	8,907
Fast Food Restaurant with Drive Thru	68.5	65.8	27.2	195	0.21	0.21	1.11	1.32	0.20	0.34	0.54	—	22,238	22,238	4.29	2.43	1.56	23,071
Gasoline /Service Station	12.0	11.6	4.77	34.3	0.04	0.04	0.20	0.23	0.03	0.06	0.10	—	3,908	3,908	0.75	0.43	0.27	4,054
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	207	199	82.4	593	0.66	0.65	3.42	4.07	0.61	1.06	1.67	—	68,289	68,289	13.0	7.39	4.80	70,821
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	2.93	2.82	1.18	8.54	0.01	0.01	0.05	0.06	0.01	0.01	0.02	—	881	881	0.17	0.10	1.02	914
Condo/Townhouse	5.09	4.89	2.04	14.8	0.02	0.02	0.08	0.10	0.01	0.03	0.04	—	1,527	1,527	0.29	0.17	1.77	1,586
City Park	0.02	0.02	0.01	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.98	4.98	< 0.005	< 0.005	0.01	5.17
Regional Shopping Center	5.38	5.17	2.16	15.7	0.02	0.02	0.09	0.11	0.02	0.03	0.04	—	1,621	1,621	0.31	0.18	1.88	1,683
High Turnover (Sit Down Restaurant)	3.21	3.09	1.26	9.16	0.01	0.01	0.05	0.06	0.01	0.01	0.02	—	894	894	0.18	0.10	1.01	930

Fast Food Restaurant with Drive Thru	7.68	7.39	3.00	21.7	0.02	0.02	0.11	0.13	0.02	0.03	0.05	—	2,073	2,073	0.43	0.24	2.33	2,159
Gasoline /Service Station	1.55	1.49	0.61	4.43	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	435	435	0.09	0.05	0.49	453
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	25.9	24.9	10.3	74.4	0.08	0.08	0.40	0.48	0.07	0.12	0.20	—	7,437	7,437	1.47	0.83	8.50	7,730

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	4,352	4,352	0.41	0.05	—	4,378
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	9,198	9,198	0.88	0.11	—	9,251
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	4,853	4,853	0.46	0.06	—	4,882
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	3,499	3,499	0.33	0.04	—	3,519

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	2,333	2,333	0.22	0.03	—	2,346
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	—	61.3	61.3	0.01	< 0.005	—	61.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,973	1,973	0.19	0.02	—	1,984
Total	—	—	—	—	—	—	—	—	—	—	—	—	26,268	26,268	2.50	0.30	—	26,421
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	4,352	4,352	0.41	0.05	—	4,378
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	9,198	9,198	0.88	0.11	—	9,251
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	4,853	4,853	0.46	0.06	—	4,882
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	3,499	3,499	0.33	0.04	—	3,519
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	2,333	2,333	0.22	0.03	—	2,346
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	—	61.3	61.3	0.01	< 0.005	—	61.7

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,973	1,973	0.19	0.02	—	1,984
Total	—	—	—	—	—	—	—	—	—	—	—	—	26,268	26,268	2.50	0.30	—	26,421
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	721	721	0.07	0.01	—	725
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	1,523	1,523	0.15	0.02	—	1,532
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	804	804	0.08	0.01	—	808
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	579	579	0.06	0.01	—	583
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	386	386	0.04	< 0.005	—	388
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	—	10.1	10.1	< 0.005	< 0.005	—	10.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	327	327	0.03	< 0.005	—	328
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,349	4,349	0.41	0.05	—	4,374

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.56	0.28	4.76	2.03	0.03	0.39	—	0.39	0.39	—	0.39	—	6,047	6,047	0.54	0.01	—	6,064
Condo/Townhouse	1.11	0.56	9.51	4.05	0.06	0.77	—	0.77	0.77	—	0.77	—	12,077	12,077	1.07	0.02	—	12,111
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.09	0.05	0.83	0.70	< 0.005	0.06	—	0.06	0.06	—	0.06	—	994	994	0.09	< 0.005	—	997
High Turnover (Sit Down Restaurant)	0.36	0.18	3.23	2.71	0.02	0.25	—	0.25	0.25	—	0.25	—	3,853	3,853	0.34	0.01	—	3,863
Fast Food Restaurant with Drive Thru	0.24	0.12	2.15	1.81	0.01	0.16	—	0.16	0.16	—	0.16	—	2,568	2,568	0.23	< 0.005	—	2,576
Gasoline /Service Station	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.1	93.1	0.01	< 0.005	—	93.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	2.36	1.18	20.6	11.4	0.13	1.63	—	1.63	1.63	—	1.63	—	25,632	25,632	2.27	0.05	—	25,703
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.56	0.28	4.76	2.03	0.03	0.39	—	0.39	0.39	—	0.39	—	6,047	6,047	0.54	0.01	—	6,064

Condo/Townhouse	1.11	0.56	9.51	4.05	0.06	0.77	—	0.77	0.77	—	0.77	—	12,077	12,077	1.07	0.02	—	12,111
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.09	0.05	0.83	0.70	< 0.005	0.06	—	0.06	0.06	—	0.06	—	994	994	0.09	< 0.005	—	997
High Turnover (Sit Down Restaurant)	0.36	0.18	3.23	2.71	0.02	0.25	—	0.25	0.25	—	0.25	—	3,853	3,853	0.34	0.01	—	3,863
Fast Food Restaurant with Drive Thru	0.24	0.12	2.15	1.81	0.01	0.16	—	0.16	0.16	—	0.16	—	2,568	2,568	0.23	< 0.005	—	2,576
Gasoline/Service Station	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.1	93.1	0.01	< 0.005	—	93.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	2.36	1.18	20.6	11.4	0.13	1.63	—	1.63	1.63	—	1.63	—	25,632	25,632	2.27	0.05	—	25,703
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.10	0.05	0.87	0.37	0.01	0.07	—	0.07	0.07	—	0.07	—	1,001	1,001	0.09	< 0.005	—	1,004
Condo/Townhouse	0.20	0.10	1.74	0.74	0.01	0.14	—	0.14	0.14	—	0.14	—	2,000	2,000	0.18	< 0.005	—	2,005
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.02	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	165	165	0.01	< 0.005	—	165

High Turnover (Sit Down Restaurant)	0.06	0.03	0.59	0.49	< 0.005	0.04	—	0.04	0.04	—	0.04	—	638	638	0.06	< 0.005	—	640
Fast Food Restaurant with Drive Thru	0.04	0.02	0.39	0.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	425	425	0.04	< 0.005	—	426
Gasoline /Service Station	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.5
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.43	0.22	3.75	2.07	0.02	0.30	—	0.30	0.30	—	0.30	—	4,244	4,244	0.38	0.01	—	4,255

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	4.29	2.15	36.7	15.6	0.23	2.97	—	2.97	2.97	—	2.97	0.00	46,587	46,587	0.88	0.09	—	46,635
Consumer Products	—	86.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	7.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	19.2	18.0	1.67	179	0.01	0.09	—	0.09	0.12	—	0.12	—	521	521	0.02	0.05	—	536

Total	23.5	114	38.4	194	0.24	3.06	—	3.06	3.09	—	3.09	0.00	47,109	47,109	0.90	0.14	—	47,172
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	4.29	2.15	36.7	15.6	0.23	2.97	—	2.97	2.97	—	2.97	0.00	46,587	46,587	0.88	0.09	—	46,635
Consumer Products	—	86.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	7.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	4.29	96.3	36.7	15.6	0.23	2.97	—	2.97	2.97	—	2.97	0.00	46,587	46,587	0.88	0.09	—	46,635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.05	0.03	0.46	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	0.00	528	528	0.01	< 0.005	—	529
Consumer Products	—	15.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.40	2.25	0.21	22.3	< 0.005	0.01	—	0.01	0.02	—	0.02	—	59.1	59.1	< 0.005	0.01	—	60.8
Total	2.45	19.5	0.67	22.5	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	587	587	0.01	0.01	—	590

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	48.2	232	280	4.96	0.12	—	440
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	160	562	722	16.4	0.40	—	1,251
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	211	211	0.02	< 0.005	—	212
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	74.7	279	354	7.68	0.19	—	601
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	61.2	206	267	6.29	0.15	—	470
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	40.8	137	178	4.20	0.10	—	313
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	1.22	4.12	5.34	0.13	< 0.005	—	9.38
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	386	1,633	2,018	39.7	0.96	—	3,297
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	48.2	232	280	4.96	0.12	—	440

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	160	562	722	16.4	0.40	—	1,251
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	211	211	0.02	< 0.005	—	212
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	74.7	279	354	7.68	0.19	—	601
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	61.2	206	267	6.29	0.15	—	470
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	40.8	137	178	4.20	0.10	—	313
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	1.22	4.12	5.34	0.13	< 0.005	—	9.38
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	386	1,633	2,018	39.7	0.96	—	3,297
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	7.97	38.5	46.4	0.82	0.02	—	72.9
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	26.4	93.1	120	2.72	0.07	—	207
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	35.0	35.0	< 0.005	< 0.005	—	35.2
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	12.4	46.2	58.6	1.27	0.03	—	99.5

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	10.1	34.1	44.3	1.04	0.03	—	77.8
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	6.75	22.8	29.5	0.69	0.02	—	51.9
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.68	0.88	0.02	< 0.005	—	1.55
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	63.9	270	334	6.57	0.16	—	546

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	314	0.00	314	31.4	0.00	—	1,099
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	797	0.00	797	79.7	0.00	—	2,789
City Park	—	—	—	—	—	—	—	—	—	—	—	1.25	0.00	1.25	0.13	0.00	—	4.38
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	298	0.00	298	29.7	0.00	—	1,041

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,360
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	435	0.00	435	43.5	0.00	—	1,523
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,534	0.00	2,534	253	0.00	—	8,866
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	314	0.00	314	31.4	0.00	—	1,099
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	797	0.00	797	79.7	0.00	—	2,789
City Park	—	—	—	—	—	—	—	—	—	—	—	1.25	0.00	1.25	0.13	0.00	—	4.38
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	298	0.00	298	29.7	0.00	—	1,041
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,360
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	435	0.00	435	43.5	0.00	—	1,523

Gasoline Station	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,534	0.00	2,534	253	0.00	—	8,866
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	52.0	0.00	52.0	5.20	0.00	—	182
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	132	0.00	132	13.2	0.00	—	462
City Park	—	—	—	—	—	—	—	—	—	—	—	0.21	0.00	0.21	0.02	0.00	—	0.72
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	49.3	0.00	49.3	4.93	0.00	—	172
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	112	0.00	112	11.2	0.00	—	391
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	72.1	0.00	72.1	7.20	0.00	—	252
Gasoline /Service Station	—	—	—	—	—	—	—	—	—	—	—	2.31	0.00	2.31	0.23	0.00	—	8.08
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	420	0.00	420	41.9	0.00	—	1,468

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.53	7.53
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.6	13.6
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.00	2.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.0	59.0
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39.3	39.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	121	121
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.53	7.53
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.6	13.6

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.00	2.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.0	59.0
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39.3	39.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	121	121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.25	1.25
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.25	2.25
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33	0.33
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.77	9.77
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.51	6.51
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1	20.1

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	5,688	5,716	5,113	2,047,670	5,688	5,716	5,113	2,047,670
Condo/Townhouse	11,178	6,798	5,418	3,551,241	11,178	6,798	5,418	3,551,241
City Park	22.0	52.9	59.1	11,580	22.0	52.9	59.1	11,580
Regional Shopping Center	10,311	17,588	2,846	3,753,717	10,051	19,011	3,076	3,772,173
High Turnover (Sit Down Restaurant)	5,399	6,998	9,127	2,248,423	4,586	6,998	9,127	2,036,581
Fast Food Restaurant with Drive Thru	13,218	23,642	13,575	5,386,702	10,502	23,642	13,575	4,678,524
Gasoline/Service Station	2,496	4,154	4,154	1,083,962	2,153	4,154	4,154	994,550
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	513

Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	60
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	1700
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	200

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
6674096.25	2,224,699	1,062,144	354,048	142,441

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	4,588,602	346	0.0330	0.0040	18,867,699
Condo/Townhouse	9,697,131	346	0.0330	0.0040	37,684,594

City Park	0.00	346	0.0330	0.0040	0.00
Regional Shopping Center	5,117,006	346	0.0330	0.0040	3,100,969
High Turnover (Sit Down Restaurant)	3,688,943	346	0.0330	0.0040	12,021,066
Fast Food Restaurant with Drive Thru	2,459,295	346	0.0330	0.0040	8,014,044
Gasoline/Service Station	64,628	346	0.0330	0.0040	290,596
Parking Lot	2,079,642	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	25,133,749	13,910,646
Condo/Townhouse	83,362,350	4,755,487
City Park	0.00	41,972,125
Regional Shopping Center	38,961,406	5,498,355
High Turnover (Sit Down Restaurant)	31,931,139	0.00
Fast Food Restaurant with Drive Thru	21,287,426	0.00
Gasoline/Service Station	637,531	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	176	0.00
Condo/Townhouse	447	0.00

City Park	2.32	0.00
Regional Shopping Center	552	0.00
High Turnover (Sit Down Restaurant)	1,252	0.00
Fast Food Restaurant with Drive Thru	808	0.00
Gasoline/Service Station	25.9	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	User Defined	750	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	User Defined	750	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0

Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0	annual days of extreme heat
Extreme Precipitation	3.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A

Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	84.6
AQ-PM	95.6
AQ-DPM	57.0
Drinking Water	93.3
Lead Risk Housing	7.89
Pesticides	64.8
Toxic Releases	71.4
Traffic	14.2
Effect Indicators	—
CleanUp Sites	7.71
Groundwater	81.4
Haz Waste Facilities/Generators	81.9

Impaired Water Bodies	43.8
Solid Waste	35.7
Sensitive Population	—
Asthma	58.6
Cardio-vascular	79.3
Low Birth Weights	68.1
Socioeconomic Factor Indicators	—
Education	51.5
Housing	70.8
Linguistic	15.6
Poverty	40.3
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	50.9816502
Employed	66.62389324
Median HI	72.65494675
Education	—
Bachelor's or higher	43.46208136
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	93.63531374
Active commuting	23.14897985

Social	—
2-parent households	66.79070961
Voting	49.36481458
Neighborhood	—
Alcohol availability	65.76414731
Park access	55.29321186
Retail density	20.00513281
Supermarket access	52.71397408
Tree canopy	13.73027076
Housing	—
Homeownership	73.48902862
Housing habitability	38.94520724
Low-inc homeowner severe housing cost burden	67.22699859
Low-inc renter severe housing cost burden	48.14577185
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	44.20633902
Arthritis	84.5
Asthma ER Admissions	52.8
High Blood Pressure	89.6
Cancer (excluding skin)	77.2
Asthma	51.9
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	68.9
Life Expectancy at Birth	43.6
Cognitively Disabled	92.5

Physically Disabled	86.7
Heart Attack ER Admissions	10.7
Mental Health Not Good	52.8
Chronic Kidney Disease	85.5
Obesity	50.5
Pedestrian Injuries	19.6
Physical Health Not Good	65.0
Stroke	84.7
Health Risk Behaviors	—
Binge Drinking	15.4
Current Smoker	54.4
No Leisure Time for Physical Activity	62.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	87.4
English Speaking	59.0
Foreign-born	27.3
Outdoor Workers	53.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	70.3
Traffic Density	21.2
Traffic Access	23.0
Other Indices	—
Hardship	44.7
Other Decision Support	—

2016 Voting	55.1
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7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Acreage adjusted based on Project site plan
Operations: Vehicle Data	Trip rates adjusted based on Project traffic study
Operations: Hearths	Project will not use wood fireplaces or wood stoves per SCAQMD Rule 445
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 5.5:

AERMOD LST MODELING OUTPUTS – CONSTRUCTION

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**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Cons CO\14822 Cons
CO.ADI
**

**

** AERMOD Control Pathway

**
**

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 1 8
URBANOPT 2035210 San_Bernardino_County
POLLUTID CO
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Cons CO.err"

CO FINISHED

**

** AERMOD Source Pathway

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260
LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500

LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

** Source Parameters **

SRCPARAM VOL1	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL2	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL3	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL4	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL5	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL6	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL7	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL8	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL9	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL10	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL11	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL12	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL13	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL14	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL15	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL16	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL17	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL18	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL19	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL20	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL21	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL22	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL23	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL24	0.0434805186	5.000	44.302	1.400

SRCPARAM	VOL25	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL26	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL27	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL28	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL29	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL30	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL31	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL32	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL33	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL34	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL35	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL36	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL37	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL38	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL39	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL40	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL41	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL42	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL43	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL44	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL45	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL46	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL47	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL48	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL49	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL50	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL51	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL52	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL53	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL54	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL55	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL56	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL57	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL58	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL59	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL60	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL61	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL62	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL63	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL64	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL65	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL66	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL67	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL68	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL69	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL70	0.0434805186	5.000	44.302	1.400
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:


```

EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL68      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL69      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL70      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

```

SO FINISHED

```

**
*****

```

```

** AERMOD Receptor Pathway
*****

```

```

**
**

```

```

RE STARTING
  INCLUDED "14822 Cons CO.rou"

```

```

RE FINISHED
**
*****

```

```

** AERMOD Meteorology Pathway
*****

```

```

**
**

```

```

ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012

```



```
PROFBASE 289.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
  RECTABLE 8 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST "14822 CONS CO.AD\01H1GALL.PLT" 31
  PLOTFILE 8 ALL 1ST "14822 CONS CO.AD\08H1GALL.PLT" 32
  SUMMFILE "14822 Cons CO.sum"
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
**
```

```
** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Cons CO\14822 Cons
CO.ADI
**
```

```
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
```

```
CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 1 8
URBANOPT 2035210 San_Bernardino_County
POLLUTID CO
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Cons CO.err"
```

```
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
```

```
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
```

LOCATION	VOL	VOLUME	X Coord.	Y Coord.	
LOCATION VOL1		447959.249	3762097.745	222.000	
LOCATION VOL2		448134.383	3762098.764	222.370	
LOCATION VOL3		447790.254	3762102.860	221.890	
LOCATION VOL4		447618.190	3762098.764	221.000	
LOCATION VOL5		447446.126	3762100.812	221.000	
LOCATION VOL6		447276.110	3762094.667	220.000	
LOCATION VOL7		447099.949	3762094.667	219.610	
LOCATION VOL8		446929.933	3762096.715	220.000	
LOCATION VOL9		448310.544	3762106.957	222.000	
LOCATION VOL10		446926.657	3762209.795	221.340	
LOCATION VOL11		446924.141	3762324.271	222.230	
LOCATION VOL12		447100.259	3762207.279	221.000	
LOCATION VOL13		447276.377	3762207.279	221.940	
LOCATION VOL14		447447.462	3762207.279	222.000	
LOCATION VOL15		447616.032	3762206.021	222.000	
LOCATION VOL16		447807.246	3762206.021	222.590	
LOCATION VOL17		447959.462	3762206.021	223.000	
LOCATION VOL18		448138.096	3762203.505	222.620	
LOCATION VOL19		448312.955	3762202.247	222.640	
LOCATION VOL20		447100.259	3762325.529	221.990	
LOCATION VOL21		447276.377	3762324.271	222.880	
LOCATION VOL22		447448.720	3762324.271	222.690	
LOCATION VOL23		447616.032	3762326.787	222.680	
LOCATION VOL24		447789.634	3762328.045	223.720	
LOCATION VOL25		447960.720	3762326.787	224.240	
LOCATION VOL26		448135.580	3762328.045	224.450	
LOCATION VOL27		448317.987	3762330.561	224.780	
LOCATION VOL28		447432.367	3762512.969	225.260	

LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500
LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

** Source Parameters **

SRCPARAM VOL1	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL2	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL3	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL4	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL5	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL6	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL7	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL8	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL9	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL10	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL11	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL12	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL13	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL14	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL15	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL16	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL17	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL18	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL19	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL20	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL21	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL22	0.0434805186	5.000	44.302	1.400
SRCPARAM VOL23	0.0434805186	5.000	44.302	1.400

SRCPARAM	VOL24	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL25	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL26	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL27	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL28	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL29	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL30	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL31	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL32	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL33	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL34	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL35	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL36	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL37	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL38	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL39	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL40	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL41	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL42	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL43	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL44	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL45	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL46	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL47	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL48	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL49	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL50	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL51	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL52	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL53	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL54	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL55	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL56	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL57	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL58	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL59	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL60	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL61	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL62	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL63	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL64	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL65	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL66	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL67	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL68	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL69	0.0434805186	5.000	44.302	1.400
SRCPARAM	VOL70	0.0434805186	5.000	44.302	1.400
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0


```

** WeekDays:
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL68      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL69      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL70      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

```

SO FINISHED

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**
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** AERMOD Receptor Pathway
*****

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**
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RE STARTING
  INCLUDED "14822 Cons CO.rou"

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RE FINISHED
**
*****

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** AERMOD Meteorology Pathway
*****

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```

**
**

```

```

ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012

```

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
RECTABLE 8 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14822 CONS CO.AD\01H1GALL.PLT" 31
PLOTFILE 8 ALL 1ST "14822 CONS CO.AD\08H1GALL.PLT" 32
SUMMFILE "14822 Cons CO.sum"
OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

ME W186 1255 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1255 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** 15:50:29

PAGE 1

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 70 Source(s),

for Total of 1 Urban Area(s):
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 70 Source(s); 1 Source Group(s); and 227 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 70 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 289.00 ; Decay Coef. =
0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 14822 Cons

CO.err

**File for Summary of Results: 14822 Cons

CO.sum

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15:50:29

PAGE 2

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	PART.	NUMBER	EMISSION	RATE	X	Y	BASE	RELEASE	INIT.	INIT.
							ELEV.	HEIGHT	SY	SZ
SOURCE	SCALAR	URBAN	EMISSION	RATE	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID	CATS.	VARY	BY							
(METERS)										
VOL1		0	0.43481E-01	447959.2	3762097.7	222.0	5.00	44.30	1.40	
YES	HRDOW									
VOL2		0	0.43481E-01	448134.4	3762098.8	222.4	5.00	44.30	1.40	
YES	HRDOW									
VOL3		0	0.43481E-01	447790.3	3762102.9	221.9	5.00	44.30	1.40	
YES	HRDOW									
VOL4		0	0.43481E-01	447618.2	3762098.8	221.0	5.00	44.30	1.40	
YES	HRDOW									
VOL5		0	0.43481E-01	447446.1	3762100.8	221.0	5.00	44.30	1.40	
YES	HRDOW									
VOL6		0	0.43481E-01	447276.1	3762094.7	220.0	5.00	44.30	1.40	
YES	HRDOW									
VOL7		0	0.43481E-01	447099.9	3762094.7	219.6	5.00	44.30	1.40	
YES	HRDOW									
VOL8		0	0.43481E-01	446929.9	3762096.7	220.0	5.00	44.30	1.40	
YES	HRDOW									
VOL9		0	0.43481E-01	448310.5	3762107.0	222.0	5.00	44.30	1.40	
YES	HRDOW									
VOL10		0	0.43481E-01	446926.7	3762209.8	221.3	5.00	44.30	1.40	
YES	HRDOW									
VOL11		0	0.43481E-01	446924.1	3762324.3	222.2	5.00	44.30	1.40	
YES	HRDOW									
VOL12		0	0.43481E-01	447100.3	3762207.3	221.0	5.00	44.30	1.40	
YES	HRDOW									
VOL13		0	0.43481E-01	447276.4	3762207.3	221.9	5.00	44.30	1.40	
YES	HRDOW									
VOL14		0	0.43481E-01	447447.5	3762207.3	222.0	5.00	44.30	1.40	
YES	HRDOW									
VOL15		0	0.43481E-01	447616.0	3762206.0	222.0	5.00	44.30	1.40	
YES	HRDOW									
VOL16		0	0.43481E-01	447807.2	3762206.0	222.6	5.00	44.30	1.40	
YES	HRDOW									
VOL17		0	0.43481E-01	447959.5	3762206.0	223.0	5.00	44.30	1.40	
YES	HRDOW									
VOL18		0	0.43481E-01	448138.1	3762203.5	222.6	5.00	44.30	1.40	
YES	HRDOW									
VOL19		0	0.43481E-01	448313.0	3762202.2	222.6	5.00	44.30	1.40	
YES	HRDOW									
VOL20		0	0.43481E-01	447100.3	3762325.5	222.0	5.00	44.30	1.40	
YES	HRDOW									
VOL21		0	0.43481E-01	447276.4	3762324.3	222.9	5.00	44.30	1.40	
YES	HRDOW									
VOL22		0	0.43481E-01	447448.7	3762324.3	222.7	5.00	44.30	1.40	
YES	HRDOW									
VOL23		0	0.43481E-01	447616.0	3762326.8	222.7	5.00	44.30	1.40	
YES	HRDOW									
VOL24		0	0.43481E-01	447789.6	3762328.0	223.7	5.00	44.30	1.40	
YES	HRDOW									
VOL25		0	0.43481E-01	447960.7	3762326.8	224.2	5.00	44.30	1.40	
YES	HRDOW									
VOL26		0	0.43481E-01	448135.6	3762328.0	224.5	5.00	44.30	1.40	
YES	HRDOW									
VOL27		0	0.43481E-01	448318.0	3762330.6	224.8	5.00	44.30	1.40	
YES	HRDOW									
VOL28		0	0.43481E-01	447432.4	3762513.0	225.3	5.00	44.30	1.40	
YES	HRDOW									
VOL29		0	0.43481E-01	447621.1	3762513.0	224.5	5.00	44.30	1.40	

YES	HRDOW								
VOL53		0	0.43481E-01	446925.4	3763474.1	232.6	5.00	44.30	1.40
YES	HRDOW								
VOL54		0	0.43481E-01	447361.9	3763470.3	233.5	5.00	44.30	1.40
YES	HRDOW								
VOL55		0	0.43481E-01	447531.7	3763659.5	234.9	5.00	44.30	1.40
YES	HRDOW								
VOL56		0	0.43481E-01	447533.5	3763806.8	235.6	5.00	44.30	1.40
YES	HRDOW								
VOL57		0	0.43481E-01	447359.9	3763658.4	234.1	5.00	44.30	1.40
YES	HRDOW								
VOL58		0	0.43481E-01	447219.0	3763657.1	234.1	5.00	44.30	1.40
YES	HRDOW								
VOL59		0	0.43481E-01	447090.7	3763659.7	234.5	5.00	44.30	1.40
YES	HRDOW								
VOL60		0	0.43481E-01	446930.9	3763659.7	234.2	5.00	44.30	1.40
YES	HRDOW								
VOL61		0	0.43481E-01	447357.4	3763804.3	234.7	5.00	44.30	1.40
YES	HRDOW								
VOL62		0	0.43481E-01	447219.0	3763804.3	234.9	5.00	44.30	1.40
YES	HRDOW								
VOL63		0	0.43481E-01	447093.2	3763805.6	235.8	5.00	44.30	1.40
YES	HRDOW								
VOL64		0	0.43481E-01	446932.2	3763805.6	235.5	5.00	44.30	1.40
YES	HRDOW								
VOL65		0	0.43481E-01	447133.5	3763996.8	237.4	5.00	44.30	1.40
YES	HRDOW								
VOL66		0	0.43481E-01	446943.5	3763996.8	237.4	5.00	44.30	1.40
YES	HRDOW								
VOL67		0	0.43481E-01	447134.7	3764159.1	239.1	5.00	44.30	1.40
YES	HRDOW								
VOL68		0	0.43481E-01	446944.8	3764159.1	240.0	5.00	44.30	1.40
YES	HRDOW								
VOL69		0	0.43481E-01	447136.0	3764318.9	241.0	5.00	44.30	1.40
YES	HRDOW								
VOL70		0	0.43481E-01	446944.8	3764317.6	240.2	5.00	44.30	1.40
YES	HRDOW								

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 4

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								

VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,
VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
VOL55 , VOL56 ,
VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
VOL63 , VOL64 ,
VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,

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*** 15:50:29

PAGE 5

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
VOL8	2035210. VOL6	VOL1 , VOL7	, VOL2 ,	, VOL3 ,	, VOL4 ,	, VOL5 ,	,
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,
	VOL31	, VOL32	,				
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	,
	VOL39	, VOL40	,				
	VOL41	, VOL42	, VOL43	, VOL44	, VOL45	, VOL46	,
	VOL47	, VOL48	,				
	VOL49	, VOL50	, VOL51	, VOL52	, VOL53	, VOL54	,
	VOL55	, VOL56	,				
	VOL57	, VOL58	, VOL59	, VOL60	, VOL61	, VOL62	,
	VOL63	, VOL64	,				
	VOL65	, VOL66	, VOL67	, VOL68	, VOL69	, VOL70	,

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*** 15:50:29

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** 15:50:29

PAGE 7

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL2		; SOURCE TYPE = VOLUME		:							
HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 8

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 9

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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15:50:29

PAGE 10

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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15:50:29

PAGE 11

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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15:50:29

PAGE 12

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

15:50:29

PAGE 13

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 14

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 15

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 16

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

PAGE 19

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 15:50:29

PAGE 20

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

PAGE 21

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

PAGE 22

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

PAGE 23

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

PAGE 24

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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15:50:29

PAGE 25

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

PAGE 26

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

PAGE 27

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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15:50:29

PAGE 28

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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15:50:29

PAGE 29

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 30

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 31

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

PAGE 32

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***
*** 15:50:29

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

PAGE 35

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

PAGE 36

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 37

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 38

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

15:50:29

PAGE 39

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

15:50:29

PAGE 40

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

15:50:29

PAGE 41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 44

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

PAGE 45

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

PAGE 46

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

PAGE 47

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 48

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 49

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 15:50:29

PAGE 50

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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Haven\AQIA\14822 Ops *** 10/13/22
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*** 15:50:29

PAGE 51

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 15:50:29

PAGE 52

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 53

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 54

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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15:50:29

PAGE 55

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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15:50:29

PAGE 56

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

HRAS
Haven\AQIA\14822 Ops ***

HRAS	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar
------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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10/13/22
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*** 15:50:29

PAGE 57

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :

Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar
------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** 15:50:29

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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15:50:29

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 15:50:29

PAGE 60

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 15:50:29

PAGE 61

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL56 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 62

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL57 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 63

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL58 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

15:50:29

PAGE 64

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL59 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

15:50:29

PAGE 65

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL60 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

15:50:29

PAGE 66

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL61 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 67

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 68

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL63 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 69

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL64 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 70

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL65 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22

.0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

15:50:29

PAGE 71

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL66 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

15:50:29

PAGE 72

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL67 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 73

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL68 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 74

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL69 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL69, showing hours 1-24 and their corresponding scalar values.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for source VOL69 on weekdays (Monday-Friday).

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for source VOL69 on Saturdays.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for source VOL69 on Sundays.

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*** AERMET - VERSION 16216 ***

15:50:29

PAGE 75

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL70 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL70, showing hours 1-24 and their corresponding scalar values.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for source VOL70 on weekdays (Monday-Friday).

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for source VOL70 on Saturdays.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for source VOL70 on Sundays.

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

15:50:29

PAGE 76

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(447362.2, 3764292.7, 240.7, 240.7, 2.0);	(447376.0, 3764151.0, 239.6, 239.6, 2.0);
(447389.8, 3764043.0, 237.8, 237.8, 2.0);	(447450.2, 3764031.0, 237.5, 237.5, 2.0);
(447410.2, 3764019.0, 237.5, 237.5, 2.0);	(446891.9, 3764451.2, 241.5, 241.5, 2.0);
(446959.3, 3764451.2, 241.5, 241.5, 2.0);	(446995.3, 3764468.1, 241.8, 241.8, 2.0);
(447007.4, 3764467.3, 241.9, 241.9, 2.0);	(447023.5, 3764466.1, 241.9, 241.9, 2.0);
(447036.6, 3764466.2, 241.9, 241.9, 2.0);	(447052.7, 3764465.6, 242.0, 242.0, 2.0);
(447066.6, 3764465.7, 242.1, 242.1, 2.0);	(447099.6, 3764456.2, 242.1, 242.1, 2.0);
(447145.3, 3764468.3, 242.1, 242.1, 2.0);	(447175.5, 3764468.0, 241.7, 241.7, 2.0);
(447205.3, 3764468.3, 241.3, 241.3, 2.0);	(447232.4, 3764467.5, 242.0, 242.0, 2.0);
(447264.0, 3764467.3, 243.3, 243.3, 2.0);	(447294.8, 3764466.9, 243.8, 243.8, 2.0);
(447365.0, 3764456.4, 243.3, 243.3, 2.0);	(447406.6, 3764460.6, 243.1, 243.1, 2.0);
(447441.5, 3764460.0, 243.2, 243.2, 2.0);	(447466.9, 3764460.2, 243.2, 243.2, 2.0);
(447490.0, 3764460.6, 242.9, 242.9, 2.0);	(447515.5, 3764460.4, 242.6, 242.6, 2.0);
(447573.1, 3764454.3, 241.6, 241.6, 2.0);	(447598.5, 3764445.2, 241.8, 241.8, 2.0);
(447652.9, 3764439.7, 243.1, 243.1, 2.0);	(447692.9, 3764439.5, 243.1, 243.1, 2.0);
(447713.8, 3764439.1, 243.1, 243.1, 2.0);	(447732.0, 3764438.7, 243.2, 243.2, 2.0);
(447751.1, 3764438.7, 243.3, 243.3, 2.0);	(447768.8, 3764437.5, 243.4, 243.4, 2.0);
(447789.1, 3764437.7, 243.7, 243.7, 2.0);	(447805.7, 3764437.3, 243.8, 243.8, 2.0);
(447824.0, 3764437.2, 243.9, 243.9, 2.0);	(447841.6, 3764437.9, 243.9, 243.9, 2.0);
(447861.7, 3764437.5, 243.9, 243.9, 2.0);	(447881.7, 3764435.2, 243.8, 243.8, 2.0);
(447902.8, 3764436.2, 243.8, 243.8, 2.0);	(447920.9, 3764435.3, 243.8, 243.8, 2.0);
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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/13/22

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*** AERMET - VERSION 16216 ***
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PAGE 77

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/13/22

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*** AERMET - VERSION 16216 ***
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*** 15:50:29

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PAGE 78

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS
WD		HT	REF	TA	HT												
12	01	01	1	01	-16.4	0.171	-9.000	-9.000	-999.	170.	32.3	0.09	1.12	1.00	2.03		
43.		7.9	285.9		2.0												
12	01	01	1	02	-18.8	0.194	-9.000	-9.000	-999.	205.	41.3	0.09	1.12	1.00	2.28		
34.		7.9	285.4		2.0												
12	01	01	1	03	-17.8	0.182	-9.000	-9.000	-999.	187.	36.5	0.09	1.12	1.00	2.15		
24.		7.9	282.0		2.0												
12	01	01	1	04	-9.4	0.128	-9.000	-9.000	-999.	110.	19.6	0.09	1.12	1.00	1.55		
41.		7.9	283.1		2.0												
12	01	01	1	05	-16.9	0.173	-9.000	-9.000	-999.	173.	33.0	0.09	1.12	1.00	2.05		
39.		7.9	280.4		2.0												
12	01	01	1	06	-8.0	0.117	-9.000	-9.000	-999.	97.	17.8	0.09	1.12	1.00	1.43		
21.		7.9	282.0		2.0												
12	01	01	1	07	-7.6	0.115	-9.000	-9.000	-999.	93.	17.4	0.09	1.12	1.00	1.40		
31.		7.9	282.5		2.0												
12	01	01	1	08	-13.6	0.184	-9.000	-9.000	-999.	190.	40.5	0.09	1.12	0.54	2.16		
34.		7.9	284.2		2.0												
12	01	01	1	09	28.4	0.126	0.300	0.011	33.	108.	-6.2	0.09	1.12	0.32	1.03		
29.		7.9	289.2		2.0												
12	01	01	1	10	79.8	0.133	0.607	0.010	99.	116.	-2.6	0.09	1.12	0.25	0.94		
173.		7.9	292.5		2.0												
12	01	01	1	11	115.8	0.137	0.932	0.006	246.	121.	-2.0	0.09	1.12	0.22	0.92		
172.		7.9	295.4		2.0												
12	01	01	1	12	133.7	0.139	1.197	0.005	453.	125.	-1.8	0.09	1.12	0.21	0.92		
146.		7.9	297.5		2.0												
12	01	01	1	13	133.2	0.160	1.354	0.005	657.	153.	-2.7	0.09	1.12	0.21	1.14		
117.		7.9	299.9		2.0												
12	01	01	1	14	113.5	0.159	1.454	0.005	955.	151.	-3.1	0.09	1.12	0.23	1.16		
285.		7.9	300.9		2.0												
12	01	01	1	15	76.2	0.166	1.350	0.005	1138.	163.	-5.3	0.09	1.12	0.26	1.33		
72.		7.9	302.0		2.0												
12	01	01	1	16	23.5	0.175	0.925	0.005	1183.	175.	-19.9	0.09	1.12	0.35	1.65		
107.		7.9	301.4		2.0												
12	01	01	1	17	-6.1	0.107	-9.000	-9.000	-999.	86.	18.0	0.09	1.12	0.63	1.31		
107.		7.9	298.1		2.0												
12	01	01	1	18	-11.1	0.141	-9.000	-9.000	-999.	127.	22.1	0.09	1.12	1.00	1.69		
86.		7.9	293.1		2.0												
12	01	01	1	19	-3.2	0.076	-9.000	-9.000	-999.	51.	11.8	0.09	1.12	1.00	0.91		
64.		7.9	292.0		2.0												
12	01	01	1	20	-2.3	0.066	-9.000	-9.000	-999.	41.	11.2	0.09	1.12	1.00	0.74		
73.		7.9	288.8		2.0												
12	01	01	1	21	-10.0	0.133	-9.000	-9.000	-999.	116.	20.5	0.09	1.12	1.00	1.60		
14.		7.9	288.1		2.0												
12	01	01	1	22	-19.4	0.201	-9.000	-9.000	-999.	216.	44.5	0.09	1.12	1.00	2.36		
22.		7.9	287.5		2.0												
12	01	01	1	23	-23.7	0.246	-9.000	-9.000	-999.	293.	66.5	0.09	1.12	1.00	2.86		
40.		7.9	287.0		2.0												
12	01	01	1	24	-12.3	0.147	-9.000	-9.000	-999.	139.	23.8	0.09	1.12	1.00	1.76		
40.		7.9	283.8		2.0												

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	43.	2.03	286.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22
 *** AERMET - VERSION 16216 ***

*** 15:50:29

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***


INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	IN (YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	7.88941	(16122116)	447375.98	
3764150.98	9.28298	(16122116)			
447389.75	3764043.04	11.41163	(16122116)	447450.16	
3764031.05	10.99904	(16122116)			
447410.18	3764019.05	11.60060	(16122116)	446891.90	
3764451.22	12.05913	(13112916)			
446959.28	3764451.22	12.29424	(13112916)	446995.28	
3764468.13	9.96026	(16011516)			
447007.41	3764467.30	10.10095	(16011516)	447023.51	
3764466.09	10.03480	(16011516)			
447036.59	3764466.21	10.01098	(13112916)	447052.68	
3764465.61	10.82369	(13112916)			
447066.60	3764465.73	11.64940	(13112916)	447099.65	
3764456.17	13.65265	(13112916)			
447145.28	3764468.27	12.20233	(16011516)	447175.54	
3764468.03	13.10883	(16011516)			
447205.32	3764468.27	12.69452	(16011516)	447232.43	
3764467.55	11.44259	(16011516)			
447264.02	3764467.30	9.74137	(16122116)	447294.77	
3764466.94	8.75487	(16122116)			
447364.97	3764456.41	7.03549	(16122116)	447406.61	
3764460.65	6.47127	(16122116)			
447441.47	3764460.04	6.18316	(16122116)	447466.88	
3764460.20	6.07711	(16122116)			
447490.00	3764460.56	6.01927	(16122116)	447515.50	
3764460.40	5.97712	(16122116)			
447573.06	3764454.29	6.02858	(16122116)	447598.49	
3764445.22	6.11276	(16122116)			
447652.90	3764439.70	6.21536	(16122116)	447692.92	
3764439.51	6.23262	(16122116)			
447713.82	3764439.11	6.22358	(16122116)	447731.95	
3764438.72	6.19655	(16122116)			
447751.07	3764438.72	6.15328	(16122116)	447768.82	
3764437.53	6.10615	(16122116)			
447789.12	3764437.73	6.02728	(16122116)	447805.68	
3764437.34	5.94726	(16122116)			
447824.02	3764437.20	5.84165	(16122116)	447841.61	
3764437.87	5.72240	(16122116)			
447861.72	3764437.53	5.57616	(16122116)	447881.66	
3764435.18	5.42449	(16122116)			
447902.78	3764436.19	5.25066	(16122116)	447920.87	
3764435.35	5.10106	(16122116)			
447942.16	3764435.35	4.92284	(16122116)	447962.77	
3764434.85	4.75227	(16122116)			
447980.70	3764435.18	4.60671	(16122116)	448004.66	

3764435.18	4.41658	(16122116)		
448021.25	3764434.68	4.29247	(16122116)	447662.70
3764379.63	6.66404	(16122116)		
447681.30	3764320.98	7.12897	(16122116)	447682.64
3764285.79	7.41516	(16122116)		
447662.53	3764238.37	7.89519	(16122116)	447661.70
3764207.37	8.21592	(16122116)		
447683.14	3764162.29	8.50693	(16122116)	447680.97
3764145.87	8.69389	(16122116)		
447679.63	3764130.28	8.47317	(16122116)	447680.80
3764112.02	8.39130	(16122116)		
447681.47	3764096.43	8.59814	(16122116)	447680.80
3764078.84	8.81960	(16122116)		
447679.96	3764064.26	9.00883	(16122116)	447680.97
3764045.82	9.21674	(16122116)		
447680.63	3764029.74	9.42413	(16122116)	447657.17
3763992.03	10.57863	(16122116)		
447656.33	3763967.06	11.05366	(16122116)	447657.17
3763928.69	12.27098	(12120416)		
447657.17	3763902.21	13.68245	(14010716)	447657.51
3763869.03	15.93568	(16121216)		
447656.16	3763834.94	18.29543	(16121216)	447655.93
3763808.27	19.57173	(14120316)		
447657.09	3763786.00	19.25515	(14120316)	447701.21
3763782.14	15.26711	(14120316)		
447856.92	3763749.71	9.08636	(14120316)	447854.99
3763730.13	9.17910	(14120316)		
447854.35	3763698.35	9.22313	(14120316)	447855.31
3763676.84	9.11627	(14120316)		
447675.51	3763287.46	18.84892	(12121716)	448481.33
3763485.29	4.70743	(16122116)		
448479.95	3763195.53	6.08715	(16122116)	448478.56
3762907.16	10.23354	(15122116)		
448497.89	3762714.10	14.10933	(14120316)	448507.91
3762487.71	13.76757	(14120316)		

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/13/22
 *** AERMET - VERSION 16216 ***
 *** 15:50:29

PAGE 82

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	18.47835	(16121216)	448462.73	
3762339.82	19.83971	(16121216)			
448464.47	3762265.93	20.97614	(14120316)	448461.57	

3762165.17	24.69916	(14120316)		
448472.57	3762064.71	20.92921	(12121716)	448460.48
3762016.72	24.40843	(12121716)		
448234.63	3761951.18	33.73515	(12121716)	448081.42
3761952.78	34.47593	(12121716)		
448025.53	3761955.99	38.39218	(12121716)	447506.75
3761967.63	28.26610	(12121716)		
447269.29	3761967.74	23.15734	(12121716)	447389.46
3761908.79	19.95308	(12121716)		
447019.14	3761964.34	21.92398	(12121716)	447060.33
3761963.58	20.94875	(12121716)		
446975.31	3761963.20	18.94980	(12121716)	446940.92
3761953.76	13.85585	(14121616)		
446865.72	3761974.54	15.30721	(14121616)	446795.06
3761957.91	13.40101	(14121616)		
446757.65	3761965.85	13.17979	(14121616)	446709.33
3761967.74	12.29703	(14121616)		
446796.42	3762028.62	17.20987	(14121616)	446796.97
3762045.28	17.90363	(14121616)		
446796.70	3762089.51	18.53946	(14121616)	446796.15
3762105.89	18.37285	(14121616)		
446796.70	3762137.29	17.94810	(14121616)	446796.15
3762153.39	17.62346	(14121616)		
446772.40	3762215.37	16.09993	(16102416)	446795.06
3762321.03	16.94532	(12021516)		
446796.42	3762450.98	9.14363	(14123015)	446796.42
3762471.18	8.30516	(14123015)		
446797.24	3762496.03	7.34941	(14123015)	446798.06
3762516.51	6.64497	(14123015)		
446797.79	3762539.98	5.94978	(14123015)	446797.52
3762560.19	5.44625	(14123015)		
446798.61	3762584.76	4.95282	(15012616)	446798.06
3762604.42	4.63351	(15012616)		
446799.70	3762654.11	3.99940	(15012616)	446799.97
3762674.58	4.02009	(15122216)		
446800.25	3762700.25	4.06886	(15122216)	446800.25
3762721.27	4.13960	(15122216)		
446799.97	3762735.74	4.19439	(15122216)	446797.79
3762748.02	4.24092	(15122216)		
446802.16	3762913.47	5.30631	(15122216)	446802.16
3762932.58	5.48180	(15122216)		
446802.43	3762949.24	5.64706	(15122216)	446802.98
3762967.26	5.83996	(15122216)		
446802.70	3762986.09	6.05412	(15122216)	446802.16
3763003.29	6.25806	(15122216)		
446802.16	3763021.86	6.50099	(15122216)	446802.70
3763040.70	6.77123	(15122216)		
446802.98	3763059.26	7.06012	(15122216)	446803.52
3763077.01	7.36452	(15122216)		
446756.29	3763085.26	6.79737	(15122216)	446807.68
3763646.39	14.50038	(16102416)		
446808.32	3763674.66	15.04356	(16102416)	446807.68
3763694.57	14.60781	(16102416)		
446808.32	3763710.63	14.23912	(16102416)	446808.32
3763726.37	13.93815	(16102416)		
446808.00	3763742.11	13.86534	(16102416)	446808.32
3763756.89	14.05500	(16102416)		
446808.64	3763798.32	14.57248	(12021516)	446810.25
3764484.08	8.61413	(13021809)		
446781.34	3764475.08	7.74392	(13021809)	446722.56
3764455.81	6.07933	(13021809)		
446170.32	3764559.79	3.02567	(16010610)	446872.29
3763190.26	12.42970	(15122216)		
446925.22	3763179.19	11.65469	(15122216)	446984.86
3763194.88	21.40026	(12121716)		
447010.56	3763193.28	19.89259	(12121716)	447036.58

3763193.60	17.78663	(12121716)		
447053.61	3763193.28	17.03422	(12121716)	447076.42
3763192.31	17.71914	(12121716)		
447093.45	3763192.63	19.78454	(12121716)	447122.05
3763192.63	24.88883	(12121716)		
447138.75	3763192.31	27.52975	(12121716)	447167.99
3763192.31	29.66017	(12121716)		
447170.68	3763172.18	25.87585	(12121716)	447170.41
3763158.25	23.45742	(12121716)		
447169.31	3763144.87	21.27913	(12121716)	447147.46
3763107.45	14.72068	(12121716)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 83

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	12.81504	(12121716)	447146.92	
3763064.30	11.60665	(12121716)			
447149.92	3763038.90	11.01070	(14121616)	447148.56	
3763019.78	10.69985	(14121616)			
447148.56	3762997.39	10.24800	(14121616)	447206.08	
3762958.49	11.36049	(15122216)			
447209.33	3762922.51	11.95706	(12021516)	447208.40	
3762890.70	11.53325	(14121616)			
447145.83	3762888.87	8.61646	(14121616)	447122.55	
3762889.07	8.02073	(14121616)			
447094.33	3762890.05	7.46549	(14121616)	447071.04	
3762890.45	7.08959	(14121616)			
447043.61	3762889.66	6.70101	(14121616)	447017.76	
3762888.87	6.37848	(14121616)			
446992.11	3762889.07	6.09646	(14121616)	446964.28	
3762888.28	5.81436	(14121616)			
446940.41	3762888.47	5.60443	(14121616)	446911.20	
3762888.08	5.36727	(14121616)			
446885.35	3762889.66	5.21665	(15122216)	446862.07	
3762888.87	5.17653	(15122216)			
446871.45	3762779.57	4.63287	(14121616)	446926.31	
3762768.72	4.90237	(14121616)			
446983.74	3762774.24	5.33294	(14121616)	447009.00	
3762774.05	5.53560	(14121616)			
447030.51	3762774.44	5.76573	(14121616)	447055.37	
3762774.05	6.00701	(14121616)			
447076.88	3762774.24	6.23724	(14121616)	447101.16	

3762774.44	6.50479	(15122216)		
447123.85	3762774.05	6.97290	(15122216)	447148.12
3762775.03	7.57947	(15122216)		
447170.23	3762774.84	8.21919	(15122216)	447196.78
3762775.48	9.14224	(15122216)		
447242.12	3762776.57	10.86760	(15122216)	447262.33
3762776.03	11.48603	(15122216)		
447294.56	3762776.30	12.02679	(15122216)	447313.13
3762775.48	14.52062	(12121716)		
447313.40	3762749.53	12.29796	(12021516)	447327.86
3762713.09	14.70226	(12021516)		
447327.36	3762679.87	14.04127	(16102416)	447327.74
3762657.02	12.38761	(16102416)		
447327.28	3762636.82	11.68940	(14121616)	447327.51
3762612.90	11.54840	(14123015)		
447327.28	3762592.24	12.34846	(14123015)	447327.04
3762569.71	13.30000	(12021516)		
447327.28	3762547.89	14.97306	(12021516)	447326.58
3762524.67	15.60535	(12021516)		
447326.58	3762506.09	15.78897	(16102416)	447327.51
3762477.53	15.48719	(14121616)		
447325.88	3762454.31	16.47315	(16011516)	447225.58
3762432.95	15.09171	(16011516)		
447200.27	3762430.63	15.37726	(16011516)	447156.85
3762430.16	18.55372	(16011516)		
447131.77	3762430.86	19.66114	(16011516)	447102.74
3762430.63	18.98127	(16011516)		
447079.06	3762430.86	17.00549	(16011516)	447034.94
3762433.65	14.03260	(16011516)		
446995.47	3762433.65	15.26972	(16011516)	446972.71
3762434.34	16.03092	(16011516)		
446941.37	3762434.58	15.07328	(16011516)	446916.06
3762436.90	11.93833	(13112916)		
446876.35	3762436.90	11.92496	(14123015)	446848.85
3762647.05	4.16829	(13112916)		
446848.85	3762563.17	5.39156	(14123015)	446849.17
3762509.82	6.99506	(14123015)		
446849.17	3762455.82	10.00845	(14123015)	446848.85
3762702.00	4.19418	(15122216)		
446849.49	3762754.71	4.41115		
	(14121616)			

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 84

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,


*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
MICROGRAMS/M**3

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD

(M)	CONC	(YYMMDDHH)		
447362.21	3764292.67	3.70558	(141111116)	447375.98
3764150.98	3.70930	(141111116)		
447389.75	3764043.04	4.26957	(13020816)	447450.16
3764031.05	4.29240	(13020816)		
447410.18	3764019.05	4.62289	(13020816)	446891.90
3764451.22	4.73646	(16010616)		
446959.28	3764451.22	4.52524	(16010616)	446995.28
3764468.13	3.92976	(16010616)		
447007.41	3764467.30	3.98754	(16010616)	447023.51
3764466.09	4.08417	(16010616)		
447036.59	3764466.21	4.12620	(16010616)	447052.68
3764465.61	4.16253	(16010616)		
447066.60	3764465.73	4.12689	(16010616)	447099.65
3764456.17	4.16729	(16010616)		
447145.28	3764468.27	4.29973	(13020816)	447175.54
3764468.03	4.62963	(13020816)		
447205.32	3764468.27	4.58727	(13020816)	447232.43
3764467.55	4.31245	(13020816)		
447264.02	3764467.30	3.83118	(13020816)	447294.77
3764466.94	3.38425	(13020816)		
447364.97	3764456.41	2.67717	(13020816)	447406.61
3764460.65	2.36016	(13020816)		
447441.47	3764460.04	2.17636	(13020816)	447466.88
3764460.20	2.07169	(13020816)		
447490.00	3764460.56	1.99412	(13020816)	447515.50
3764460.40	1.92502	(13020816)		
447573.06	3764454.29	1.81753	(13020816)	447598.49
3764445.22	1.78830	(13020816)		
447652.90	3764439.70	1.70354	(13020816)	447692.92
3764439.51	1.64048	(13020816)		
447713.82	3764439.11	1.60635	(13020816)	447731.95
3764438.72	1.57538	(13020816)		
447751.07	3764438.72	1.54162	(13020816)	447768.82
3764437.53	1.51094	(13020816)		
447789.12	3764437.73	1.47232	(13020816)	447805.68
3764437.34	1.44197	(13020816)		
447824.02	3764437.20	1.40812	(13020816)	447841.61
3764437.87	1.37533	(13020816)		
447861.72	3764437.53	1.34008	(13020816)	447881.66
3764435.18	1.30840	(13020816)		
447902.78	3764436.19	1.27156	(13020816)	447920.87
3764435.35	1.24310	(13020816)		
447942.16	3764435.35	1.23710	(14010716)	447962.77
3764434.85	1.23456	(14010716)		
447980.70	3764435.18	1.23137	(14010716)	448004.66
3764435.18	1.22821	(14010716)		
448021.25	3764434.68	1.22782	(14010716)	447662.70
3764379.63	1.80643	(13020816)		
447681.30	3764320.98	1.92207	(13020816)	447682.64
3764285.79	2.03346	(13020816)		
447662.53	3764238.37	2.26257	(13020816)	447661.70
3764207.37	2.41413	(13020816)		
447683.14	3764162.29	2.60283	(13020816)	447680.97
3764145.87	2.71393	(13020816)		
447679.63	3764130.28	2.82549	(13020816)	447680.80
3764112.02	2.95286	(13020816)		
447681.47	3764096.43	3.06898	(13020816)	447680.80
3764078.84	3.21659	(13020816)		
447679.96	3764064.26	3.34860	(13020816)	447680.97
3764045.82	3.51065	(13020816)		
447680.63	3764029.74	3.67169	(13020816)	447657.17
3763992.03	4.40567	(13020816)		
447656.33	3763967.06	4.80500	(13020816)	447657.17

3763928.69	5.42928	(13020816)		
447657.17	3763902.21	6.13214	(13111916)	447657.51
3763869.03	7.86076	(13112016)		
447656.16	3763834.94	9.32582	(13112016)	447655.93
3763808.27	9.54155	(13112016)		
447657.09	3763786.00	9.32381	(14111116)	447701.21
3763782.14	7.02429	(14111116)		
447856.92	3763749.71	3.87564	(13112016)	447854.99
3763730.13	3.86003	(13112016)		
447854.35	3763698.35	3.78626	(14111116)	447855.31
3763676.84	3.75304	(14111116)		
447675.51	3763287.46	7.77994	(14111116)	448481.33
3763485.29	1.37346	(13112016)		
448479.95	3763195.53	1.86451	(13020816)	448478.56
3762907.16	3.98234	(14013116)		
448497.89	3762714.10	6.55014	(13112016)	448507.91
3762487.71	6.60670	(14111116)		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22
 *** AERMET - VERSION 16216 ***
 *** *** 15:50:29

PAGE 85

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	8.56556	(13112016)	448462.73	
3762339.82	9.65773	(13112016)			
448464.47	3762265.93	9.40421	(13112016)	448461.57	
3762165.17	8.81111c	(15013016)			
448472.57	3762064.71	7.49808	(12012416)	448460.48	
3762016.72	6.77381	(12012416)			
448234.63	3761951.18	7.02942	(12121716)	448081.42	
3761952.78	7.25897	(12121716)			
448025.53	3761955.99	7.87245	(12121716)	447506.75	
3761967.63	8.02093	(15122216)			
447269.29	3761967.74	8.82705	(15122216)	447389.46	
3761908.79	6.09929	(15122216)			
447019.14	3761964.34	8.30521	(15122216)	447060.33	
3761963.58	8.56467	(15122216)			
446975.31	3761963.20	7.84972	(15122216)	446940.92	
3761953.76	7.48034	(15122216)			
446865.72	3761974.54	8.45359	(15122216)	446795.06	
3761957.91	5.99334	(15122216)			
446757.65	3761965.85	5.05947	(15122216)	446709.33	
3761967.74	3.95581	(15122216)			
446796.42	3762028.62	7.11078	(15122216)	446796.97	

3762045.28	7.28944	(15122216)		
446796.70	3762089.51	7.33887	(15122216)	446796.15
3762105.89	7.23964	(15122216)		
446796.70	3762137.29	7.48063	(16102416)	446796.15
3762153.39	7.62156	(16102416)		
446772.40	3762215.37	6.86574	(14121616)	446795.06
3762321.03	7.86722	(14121616)		
446796.42	3762450.98	4.87936	(15012616)	446796.42
3762471.18	4.37807	(15012616)		
446797.24	3762496.03	3.86927	(14121216)	446798.06
3762516.51	3.52647	(14121216)		
446797.79	3762539.98	3.18633	(14121216)	446797.52
3762560.19	2.94882	(14121616)		
446798.61	3762584.76	2.76705	(14121616)	446798.06
3762604.42	2.64539	(14121616)		
446799.70	3762654.11	2.41795	(14121616)	446799.97
3762674.58	2.34929	(14121616)		
446800.25	3762700.25	2.27655	(14121616)	446800.25
3762721.27	2.23212	(14121616)		
446799.97	3762735.74	2.20634	(14121616)	446797.79
3762748.02	2.18355	(14121616)		
446802.16	3762913.47	2.71599	(15122216)	446802.16
3762932.58	2.82234	(15122216)		
446802.43	3762949.24	2.92435	(15122216)	446802.98
3762967.26	3.04559	(15122216)		
446802.70	3762986.09	3.18325	(15122216)	446802.16
3763003.29	3.32024	(15122216)		
446802.16	3763021.86	3.48578	(15122216)	446802.70
3763040.70	3.67498	(15122216)		
446802.98	3763059.26	3.88329	(15122216)	446803.52
3763077.01	4.10806	(15122216)		
446756.29	3763085.26	3.80533	(15122216)	446807.68
3763646.39	8.36937	(14121616)		
446808.32	3763674.66	8.51427	(14121616)	446807.68
3763694.57	8.41415	(14121616)		
446808.32	3763710.63	8.38095	(14121616)	446808.32
3763726.37	8.33034	(14121616)		
446808.00	3763742.11	8.31388	(14121616)	446808.32
3763756.89	8.36714	(14121616)		
446808.64	3763798.32	8.37428	(14121616)	446810.25
3764484.08	3.33949	(14121216)		
446781.34	3764475.08	3.27875	(14121216)	446722.56
3764455.81	2.94964	(14121216)		
446170.32	3764559.79	1.18648	(15012616)	446872.29
3763190.26	8.06543	(15122216)		
446925.22	3763179.19	7.22914	(15122216)	446984.86
3763194.88	7.35344	(15122216)		
447010.56	3763193.28	7.56478	(15122216)	447036.58
3763193.60	8.14541	(15122216)		
447053.61	3763193.28	8.47224	(15122216)	447076.42
3763192.31	8.62139	(15122216)		
447093.45	3763192.63	8.57008	(15122216)	447122.05
3763192.63	8.07857	(15122216)		
447138.75	3763192.31	7.68984	(12121716)	447167.99
3763192.31	8.23101	(12121716)		
447170.68	3763172.18	7.27664	(12121716)	447170.41
3763158.25	6.76401	(14121616)		
447169.31	3763144.87	6.74296	(14121616)	447147.46
3763107.45	5.96770	(14121616)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:50:29

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	IN (YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	5.91667	(14121616)	447146.92	
3763064.30	5.84400	(14121616)			
447149.92	3763038.90	5.72779	(14121616)	447148.56	
3763019.78	5.47736	(14121616)			
447148.56	3762997.39	5.31248	(15122216)	447206.08	
3762958.49	6.99024	(15122216)			
447209.33	3762922.51	6.89490	(14121616)	447208.40	
3762890.70	6.90137	(15122216)			
447145.83	3762888.87	4.68403	(15122216)	447122.55	
3762889.07	4.24405	(15122216)			
447094.33	3762890.05	3.82529	(15122216)	447071.04	
3762890.45	3.55050	(15122216)			
447043.61	3762889.66	3.29413	(15122216)	447017.76	
3762888.87	3.11124	(15122216)			
446992.11	3762889.07	2.97815	(15122216)	446964.28	
3762888.28	2.86862	(15122216)			
446940.41	3762888.47	2.80251	(15122216)	446911.20	
3762888.08	2.73928	(15122216)			
446885.35	3762889.66	2.70351	(15122216)	446862.07	
3762888.87	2.66745	(15122216)			
446871.45	3762779.57	2.30701	(14121616)	446926.31	
3762768.72	2.46466	(14121616)			
446983.74	3762774.24	2.67304	(14121616)	447009.00	
3762774.05	2.78519	(14121616)			
447030.51	3762774.44	2.91268	(15122216)	447055.37	
3762774.05	3.10220	(15122216)			
447076.88	3762774.24	3.29775	(15122216)	447101.16	
3762774.44	3.55776	(15122216)			
447123.85	3762774.05	3.86098	(15122216)	447148.12	
3762775.03	4.26546	(15122216)			
447170.23	3762774.84	4.70977	(15122216)	447196.78	
3762775.48	5.36188	(15122216)			
447242.12	3762776.57	6.60449	(15122216)	447262.33	
3762776.03	7.02142	(15122216)			
447294.56	3762776.30	7.34243	(15122216)	447313.13	
3762775.48	7.21755	(15122216)			
447313.40	3762749.53	6.67460	(14121616)	447327.86	
3762713.09	8.06459	(14121616)			
447327.36	3762679.87	7.91392	(14121616)	447327.74	
3762657.02	7.51633	(14121616)			
447327.28	3762636.82	7.16124	(14121616)	447327.51	
3762612.90	7.10443	(14121616)			
447327.28	3762592.24	7.32554	(14121616)	447327.04	
3762569.71	7.81706	(14121616)			
447327.28	3762547.89	8.40452	(14121616)	447326.58	

3762524.67	8.79752	(14121616)	
447326.58	3762506.09	8.88271	(14121616) 447327.51
3762477.53	8.69403	(14121616)	
447325.88	3762454.31	8.27599	(14121616) 447225.58
3762432.95	8.99089	(14121216)	
447200.27	3762430.63	8.87672	(14121216) 447156.85
3762430.16	8.46269	(14121216)	
447131.77	3762430.86	8.44978	(14121216) 447102.74
3762430.63	8.76647	(14121216)	
447079.06	3762430.86	8.83953	(14121216) 447034.94
3762433.65	8.20953	(14121216)	
446995.47	3762433.65	7.61929	(14121216) 446972.71
3762434.34	7.32146	(14121216)	
446941.37	3762434.58	7.27611	(14121216) 446916.06
3762436.90	7.04414	(14121216)	
446876.35	3762436.90	6.76777	(14121216) 446848.85
3762647.05	2.53115	(14121616)	
446848.85	3762563.17	3.02684	(14121616) 446849.17
3762509.82	3.83628	(14121216)	
446849.17	3762455.82	5.45667	(14121216) 446848.85
3762702.00	2.35769	(14121616)	
446849.49	3762754.71	2.27577	(14121616)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 87

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

DATE

GROUP ID	AVERAGE CONC	DATE	RECEPTOR	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID	(YYMMDDHH)	(XR, YR,	

ALL HIGH 1ST HIGH VALUE IS 38.39218 ON 12121716: AT (448025.53, 3761955.99, 221.00, 221.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 88

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID	(YYMMDDHH)	RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 9.65773 ON 13112016: AT (448462.73, 3762339.82,
 224.57, 224.57, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:50:29

PAGE 89

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
 A Total of 2 Warning Message(s)
 A Total of 1628 Informational Message(s)
 A Total of 43848 Hours Were Processed
 A Total of 1278 Calm Hours Identified
 A Total of 350 Missing Hours Identified (0.80 Percent)

***** FATAL ERROR MESSAGES *****
 *** NONE ***

***** WARNING MESSAGES *****

ME W186 1255 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
 ME W187 1255 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

 *** AERMOD Finishes Successfully ***

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**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Cons NO2\14822 Cons
NO2.ADI

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*****
** AERMOD Control Pathway
*****
**
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CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 1
URBANOPT 2035210 San_Bernardino_County
POLLUTID NOX
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Cons NO2.err"

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CO FINISHED
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** AERMOD Source Pathway
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SO STARTING
** Source Location **

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** Source ID - Type - X Coord. - Y Coord. **

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Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260
LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500

LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

** Source Parameters **

SRCPARAM VOL1	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL2	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL3	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL4	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL5	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL6	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL7	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL8	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL9	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL10	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL11	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL12	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL13	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL14	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL15	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL16	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL17	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL18	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL19	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL20	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL21	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL22	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL23	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL24	0.0261850596	5.000	44.302	1.400

SRCPARAM	VOL25	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL26	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL27	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL28	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL29	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL30	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL31	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL32	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL33	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL34	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL35	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL36	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL37	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL38	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL39	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL40	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL41	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL42	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL43	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL44	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL45	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL46	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL47	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL48	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL49	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL50	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL51	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL52	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL53	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL54	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL55	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL56	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL57	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL58	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL59	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL60	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL61	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL62	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL63	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL64	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL65	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL66	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL67	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL68	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL69	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL70	0.0261850596	5.000	44.302	1.400
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:


```

EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL68      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL69      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL70      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

```

SO FINISHED

```

**
*****

```

```

** AERMOD Receptor Pathway
*****
**
**

```

```

RE STARTING
  INCLUDED "14822 Cons NO2.rou"
RE FINISHED

```

```

**
*****

```

```

** AERMOD Meteorology Pathway
*****
**
**

```

```

ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012

```

```
PROFBASE 289.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST "14822 CONS NO2.AD\01H1GALL.PLT" 31
  SUMMFILE "14822 Cons NO2.sum"
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Cons NO2\14822 Cons
NO2.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

CO STARTING

```

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 1
URBANOPT 2035210 San_Bernardino_County
POLLUTID NOX
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Cons NO2.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260

LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500
LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

** Source Parameters **

SRCPARAM VOL1	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL2	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL3	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL4	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL5	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL6	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL7	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL8	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL9	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL10	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL11	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL12	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL13	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL14	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL15	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL16	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL17	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL18	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL19	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL20	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL21	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL22	0.0261850596	5.000	44.302	1.400
SRCPARAM VOL23	0.0261850596	5.000	44.302	1.400

SRCPARAM	VOL24	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL25	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL26	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL27	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL28	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL29	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL30	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL31	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL32	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL33	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL34	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL35	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL36	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL37	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL38	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL39	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL40	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL41	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL42	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL43	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL44	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL45	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL46	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL47	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL48	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL49	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL50	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL51	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL52	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL53	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL54	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL55	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL56	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL57	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL58	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL59	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL60	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL61	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL62	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL63	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL64	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL65	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL66	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL67	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL68	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL69	0.0261850596	5.000	44.302	1.400
SRCPARAM	VOL70	0.0261850596	5.000	44.302	1.400
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0


```

** WeekDays:
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL68      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL68      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL69      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL69      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL70      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL70      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

```

SO FINISHED

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**
*****

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** AERMOD Receptor Pathway
*****

```

```

**
**

```

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RE STARTING
  INCLUDED "14822 Cons NO2.rou"

```

```

RE FINISHED
**
*****

```

```

** AERMOD Meteorology Pathway
*****

```

```

**
**

```

```

ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012

```

UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14822 CONS NO2.AD\01H1GALL.PLT" 31
SUMMFILE "14822 Cons NO2.sum"
OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

ME W186 1255 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1255 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** AERMET - VERSION 16216 ***
*** 16:20:17

PAGE 1

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 70 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m

* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: NOX

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 70 Source(s); 1 Source Group(s); and 227 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 70 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 289.00 ; Decay Coef. =
0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 14822 Cons

NO2.err

**File for Summary of Results: 14822 Cons

NO2.sum

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*** AERMET - VERSION 16216 ***

16:20:17

PAGE 2


*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT.
URBAN EMISSION RATE

SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	
SOURCE	SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		
ID	CATS.	BY							
(METERS)									
VOL1		0	0.26185E-01	447959.2	3762097.7	222.0	5.00	44.30	1.40
YES	HRDOW								
VOL2		0	0.26185E-01	448134.4	3762098.8	222.4	5.00	44.30	1.40
YES	HRDOW								
VOL3		0	0.26185E-01	447790.3	3762102.9	221.9	5.00	44.30	1.40
YES	HRDOW								
VOL4		0	0.26185E-01	447618.2	3762098.8	221.0	5.00	44.30	1.40
YES	HRDOW								
VOL5		0	0.26185E-01	447446.1	3762100.8	221.0	5.00	44.30	1.40
YES	HRDOW								
VOL6		0	0.26185E-01	447276.1	3762094.7	220.0	5.00	44.30	1.40
YES	HRDOW								
VOL7		0	0.26185E-01	447099.9	3762094.7	219.6	5.00	44.30	1.40
YES	HRDOW								
VOL8		0	0.26185E-01	446929.9	3762096.7	220.0	5.00	44.30	1.40
YES	HRDOW								
VOL9		0	0.26185E-01	448310.5	3762107.0	222.0	5.00	44.30	1.40
YES	HRDOW								
VOL10		0	0.26185E-01	446926.7	3762209.8	221.3	5.00	44.30	1.40
YES	HRDOW								
VOL11		0	0.26185E-01	446924.1	3762324.3	222.2	5.00	44.30	1.40
YES	HRDOW								
VOL12		0	0.26185E-01	447100.3	3762207.3	221.0	5.00	44.30	1.40
YES	HRDOW								
VOL13		0	0.26185E-01	447276.4	3762207.3	221.9	5.00	44.30	1.40
YES	HRDOW								
VOL14		0	0.26185E-01	447447.5	3762207.3	222.0	5.00	44.30	1.40
YES	HRDOW								
VOL15		0	0.26185E-01	447616.0	3762206.0	222.0	5.00	44.30	1.40
YES	HRDOW								
VOL16		0	0.26185E-01	447807.2	3762206.0	222.6	5.00	44.30	1.40
YES	HRDOW								
VOL17		0	0.26185E-01	447959.5	3762206.0	223.0	5.00	44.30	1.40
YES	HRDOW								
VOL18		0	0.26185E-01	448138.1	3762203.5	222.6	5.00	44.30	1.40
YES	HRDOW								
VOL19		0	0.26185E-01	448313.0	3762202.2	222.6	5.00	44.30	1.40
YES	HRDOW								
VOL20		0	0.26185E-01	447100.3	3762325.5	222.0	5.00	44.30	1.40
YES	HRDOW								
VOL21		0	0.26185E-01	447276.4	3762324.3	222.9	5.00	44.30	1.40
YES	HRDOW								
VOL22		0	0.26185E-01	447448.7	3762324.3	222.7	5.00	44.30	1.40
YES	HRDOW								
VOL23		0	0.26185E-01	447616.0	3762326.8	222.7	5.00	44.30	1.40
YES	HRDOW								
VOL24		0	0.26185E-01	447789.6	3762328.0	223.7	5.00	44.30	1.40
YES	HRDOW								
VOL25		0	0.26185E-01	447960.7	3762326.8	224.2	5.00	44.30	1.40
YES	HRDOW								
VOL26		0	0.26185E-01	448135.6	3762328.0	224.5	5.00	44.30	1.40
YES	HRDOW								
VOL27		0	0.26185E-01	448318.0	3762330.6	224.8	5.00	44.30	1.40
YES	HRDOW								
VOL28		0	0.26185E-01	447432.4	3762513.0	225.3	5.00	44.30	1.40
YES	HRDOW								
VOL29		0	0.26185E-01	447621.1	3762513.0	224.5	5.00	44.30	1.40
YES	HRDOW								
VOL30		0	0.26185E-01	447811.0	3762515.5	225.4	5.00	44.30	1.40

YES	HRDOW								
VOL54		0	0.26185E-01	447361.9	3763470.3	233.5	5.00	44.30	1.40
YES	HRDOW								
VOL55		0	0.26185E-01	447531.7	3763659.5	234.9	5.00	44.30	1.40
YES	HRDOW								
VOL56		0	0.26185E-01	447533.5	3763806.8	235.6	5.00	44.30	1.40
YES	HRDOW								
VOL57		0	0.26185E-01	447359.9	3763658.4	234.1	5.00	44.30	1.40
YES	HRDOW								
VOL58		0	0.26185E-01	447219.0	3763657.1	234.1	5.00	44.30	1.40
YES	HRDOW								
VOL59		0	0.26185E-01	447090.7	3763659.7	234.5	5.00	44.30	1.40
YES	HRDOW								
VOL60		0	0.26185E-01	446930.9	3763659.7	234.2	5.00	44.30	1.40
YES	HRDOW								
VOL61		0	0.26185E-01	447357.4	3763804.3	234.7	5.00	44.30	1.40
YES	HRDOW								
VOL62		0	0.26185E-01	447219.0	3763804.3	234.9	5.00	44.30	1.40
YES	HRDOW								
VOL63		0	0.26185E-01	447093.2	3763805.6	235.8	5.00	44.30	1.40
YES	HRDOW								
VOL64		0	0.26185E-01	446932.2	3763805.6	235.5	5.00	44.30	1.40
YES	HRDOW								
VOL65		0	0.26185E-01	447133.5	3763996.8	237.4	5.00	44.30	1.40
YES	HRDOW								
VOL66		0	0.26185E-01	446943.5	3763996.8	237.4	5.00	44.30	1.40
YES	HRDOW								
VOL67		0	0.26185E-01	447134.7	3764159.1	239.1	5.00	44.30	1.40
YES	HRDOW								
VOL68		0	0.26185E-01	446944.8	3764159.1	240.0	5.00	44.30	1.40
YES	HRDOW								
VOL69		0	0.26185E-01	447136.0	3764318.9	241.0	5.00	44.30	1.40
YES	HRDOW								
VOL70		0	0.26185E-01	446944.8	3764317.6	240.2	5.00	44.30	1.40
YES	HRDOW								

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 *** AERMET - VERSION 16216 ***
 *** 16:20:17

PAGE 4

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,

VOL47 , VOL48 ,
 VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
 VOL55 , VOL56 ,
 VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
 VOL63 , VOL64 ,
 VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 5

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs							
-----	-----	-----							
VOL8	2035210. VOL6	VOL1 , VOL7	, VOL2	, VOL3	, VOL4	, VOL5	, VOL6	, VOL7	, VOL8
		VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	, VOL15	, VOL16
		VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	, VOL23	, VOL24
		VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	, VOL31	, VOL32
		VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	, VOL39	, VOL40
		VOL41	, VOL42	, VOL43	, VOL44	, VOL45	, VOL46	, VOL47	, VOL48
		VOL49	, VOL50	, VOL51	, VOL52	, VOL53	, VOL54	, VOL55	, VOL56
		VOL57	, VOL58	, VOL59	, VOL60	, VOL61	, VOL62	, VOL63	, VOL64
		VOL65	, VOL66	, VOL67	, VOL68	, VOL69	, VOL70	, VOL71	, VOL72

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
	.1000E+01	15	.1000E+01	16	.1000E+01					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 7

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :

1	SCALAR	2	SCALAR	3	SCALAR	4	SCALAR	5	SCALAR	6
7	SCALAR	8	SCALAR	9	SCALAR	10	SCALAR	11	SCALAR	12
13	SCALAR	14	SCALAR	15	SCALAR	16	SCALAR	17	SCALAR	18
19	SCALAR	20	SCALAR	21	SCALAR	22	SCALAR	23	SCALAR	24

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
	.1000E+01	15	.1000E+01	16	.1000E+01					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 8

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 9

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

PAGE 10

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

PAGE 11

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:20:17

PAGE 12

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:20:17

PAGE 13

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 14

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 15

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 16

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 19

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 20

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 21

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 22

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:20:17

PAGE 23

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:20:17

PAGE 24

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:20:17

PAGE 25

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 28

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 29

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:20:17

PAGE 30

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***
*** 16:20:17

PAGE 31

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 32

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :

HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	
1	.0000E+00	7	.0000E+00	13	.1000E+01	19	.0000E+00	25	.0000E+00	31	.0000E+00
2	.0000E+00	8	.0000E+00	14	.1000E+01	20	.0000E+00	26	.0000E+00	32	.0000E+00
3	.0000E+00	9	.0000E+00	15	.1000E+01	21	.0000E+00	27	.0000E+00	33	.0000E+00
4	.0000E+00	10	.0000E+00	16	.1000E+01	22	.0000E+00	28	.0000E+00	34	.0000E+00
5	.0000E+00	11	.0000E+00	17	.0000E+00	23	.0000E+00	29	.0000E+00	35	.0000E+00
6	.0000E+00	12	.0000E+00	18	.0000E+00	24	.0000E+00	30	.0000E+00	36	.0000E+00

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 33

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 34

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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*** 16:20:17

PAGE 35

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 36

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:20:17

PAGE 37

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:20:17

PAGE 38

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:20:17

PAGE 39

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:20:17

PAGE 40

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:20:17

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22
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*** 16:20:17

PAGE 44

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***
*** 16:20:17

PAGE 45

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 46

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 47

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 48

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 49

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:20:17

PAGE 50

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 51

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 52

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 53

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 54

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22

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*** 16:20:17

PAGE 55

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22

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*** 16:20:17

PAGE 56

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 57

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 58

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:20:17

PAGE 59

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 60

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:20:17

PAGE 61

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL56 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:20:17

PAGE 62

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL57 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:20:17

PAGE 63

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL58 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 64

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL59 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 65

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL60 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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 Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 66

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL61 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Sunday.

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*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL63 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 1 row of scalar values for Sunday.

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:20:17

PAGE 69

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL64 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:20:17

PAGE 70

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL65 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 71

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL66 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 72

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL67 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 73

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL68 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 74

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL69 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:20:17

PAGE 75

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL70 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS *** (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG) (METERS)

Table with 12 columns of coordinates and values. Each row represents a discrete Cartesian receptor location. The columns are: X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG, X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG. Values are separated by semicolons.

```

( 447679.6, 3764130.3, 238.2, 238.2, 2.0); ( 447680.8, 3764112.0,
237.8, 237.8, 2.0);
( 447681.5, 3764096.4, 237.6, 237.6, 2.0); ( 447680.8, 3764078.8,
237.4, 237.4, 2.0);
( 447680.0, 3764064.3, 237.4, 237.4, 2.0); ( 447681.0, 3764045.8,
237.5, 237.5, 2.0);
( 447680.6, 3764029.7, 237.5, 237.5, 2.0); ( 447657.2, 3763992.0,
237.3, 237.3, 2.0);
( 447656.3, 3763967.1, 237.5, 237.5, 2.0); ( 447657.2, 3763928.7,
237.5, 237.5, 2.0);
( 447657.2, 3763902.2, 237.6, 237.6, 2.0); ( 447657.5, 3763869.0,
237.3, 237.3, 2.0);
( 447656.2, 3763834.9, 237.4, 237.4, 2.0); ( 447655.9, 3763808.3,
237.5, 237.5, 2.0);
( 447657.1, 3763786.0, 237.6, 237.6, 2.0); ( 447701.2, 3763782.1,
237.7, 237.7, 2.0);
( 447856.9, 3763749.7, 236.2, 236.2, 2.0); ( 447855.0, 3763730.1,
236.0, 236.0, 2.0);
( 447854.3, 3763698.3, 235.6, 235.6, 2.0); ( 447855.3, 3763676.8,
235.4, 235.4, 2.0);
( 447675.5, 3763287.5, 232.0, 232.0, 2.0); ( 448481.3, 3763485.3,
235.6, 235.6, 2.0);
( 448480.0, 3763195.5, 232.0, 232.0, 2.0); ( 448478.6, 3762907.2,
229.4, 229.4, 2.0);
( 448497.9, 3762714.1, 228.1, 228.1, 2.0); ( 448507.9, 3762487.7,
225.8, 225.8, 2.0);
( 448480.5, 3762358.0, 224.8, 224.8, 2.0); ( 448462.7, 3762339.8,
224.6, 224.6, 2.0);
( 448464.5, 3762265.9, 223.3, 223.3, 2.0); ( 448461.6, 3762165.2,
222.0, 222.0, 2.0);
( 448472.6, 3762064.7, 220.0, 220.0, 2.0); ( 448460.5, 3762016.7,
219.4, 219.4, 2.0);
( 448234.6, 3761951.2, 220.0, 220.0, 2.0); ( 448081.4, 3761952.8,
220.9, 220.9, 2.0);
( 448025.5, 3761956.0, 221.0, 221.0, 2.0); ( 447506.8, 3761967.6,
220.0, 220.0, 2.0);

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*** AERMET - VERSION 16216 ***
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*** 16:20:17

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PAGE 77

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

```

( 447269.3, 3761967.7, 219.7, 219.7, 2.0); ( 447389.5, 3761908.8,
220.0, 220.0, 2.0);
( 447019.1, 3761964.3, 219.0, 219.0, 2.0); ( 447060.3, 3761963.6,
219.0, 219.0, 2.0);
( 446975.3, 3761963.2, 219.0, 219.0, 2.0); ( 446940.9, 3761953.8,
219.0, 219.0, 2.0);
( 446865.7, 3761974.5, 219.9, 219.9, 2.0); ( 446795.1, 3761957.9,
220.0, 220.0, 2.0);
( 446757.6, 3761965.8, 220.0, 220.0, 2.0); ( 446709.3, 3761967.7,
220.0, 220.0, 2.0);
( 446796.4, 3762028.6, 220.0, 220.0, 2.0); ( 446797.0, 3762045.3,
220.1, 220.1, 2.0);
( 446796.7, 3762089.5, 221.0, 221.0, 2.0); ( 446796.1, 3762105.9,
221.0, 221.0, 2.0);
( 446796.7, 3762137.3, 221.0, 221.0, 2.0); ( 446796.1, 3762153.4,
221.0, 221.0, 2.0);
( 446772.4, 3762215.4, 221.6, 221.6, 2.0); ( 446795.1, 3762321.0,
222.0, 222.0, 2.0);

```


(446796.4, 3762451.0, 224.0, 224.0, 2.0); (446796.4, 3762471.2, 224.4, 224.4, 2.0);
(446797.2, 3762496.0, 224.9, 224.9, 2.0); (446798.1, 3762516.5, 225.3, 225.3, 2.0);
(446797.8, 3762540.0, 225.7, 225.7, 2.0); (446797.5, 3762560.2, 225.9, 225.9, 2.0);
(446798.6, 3762584.8, 226.1, 226.1, 2.0); (446798.1, 3762604.4, 226.5, 226.5, 2.0);
(446799.7, 3762654.1, 227.5, 227.5, 2.0); (446800.0, 3762674.6, 228.0, 228.0, 2.0);
(446800.2, 3762700.2, 228.5, 228.5, 2.0); (446800.2, 3762721.3, 228.6, 228.6, 2.0);
(446800.0, 3762735.7, 228.6, 228.6, 2.0); (446797.8, 3762748.0, 228.6, 228.6, 2.0);
(446802.2, 3762913.5, 228.3, 228.3, 2.0); (446802.2, 3762932.6, 228.3, 228.3, 2.0);
(446802.4, 3762949.2, 228.3, 228.3, 2.0); (446803.0, 3762967.3, 228.3, 228.3, 2.0);
(446802.7, 3762986.1, 228.4, 228.4, 2.0); (446802.2, 3763003.3, 228.6, 228.6, 2.0);
(446802.2, 3763021.9, 228.8, 228.8, 2.0); (446802.7, 3763040.7, 229.0, 229.0, 2.0);
(446803.0, 3763059.3, 229.2, 229.2, 2.0); (446803.5, 3763077.0, 229.3, 229.3, 2.0);
(446756.3, 3763085.3, 228.7, 228.7, 2.0); (446807.7, 3763646.4, 234.6, 234.6, 2.0);
(446808.3, 3763674.7, 234.8, 234.8, 2.0); (446807.7, 3763694.6, 234.9, 234.9, 2.0);
(446808.3, 3763710.6, 235.0, 235.0, 2.0); (446808.3, 3763726.4, 235.0, 235.0, 2.0);
(446808.0, 3763742.1, 235.0, 235.0, 2.0); (446808.3, 3763756.9, 235.0, 235.0, 2.0);
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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/13/22
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*** AERMET - VERSION 16216 ***
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*** 16:20:17
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PAGE 78

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)
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2.0);
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12	01	01	1	01	-16.4	0.171	-9.000	-9.000	-999.	170.	32.3	0.09	1.12	1.00	2.03
43.	7.9	285.9	2.0												
12	01	01	1	02	-18.8	0.194	-9.000	-9.000	-999.	205.	41.3	0.09	1.12	1.00	2.28
34.	7.9	285.4	2.0												
12	01	01	1	03	-17.8	0.182	-9.000	-9.000	-999.	187.	36.5	0.09	1.12	1.00	2.15
24.	7.9	282.0	2.0												
12	01	01	1	04	-9.4	0.128	-9.000	-9.000	-999.	110.	19.6	0.09	1.12	1.00	1.55
41.	7.9	283.1	2.0												
12	01	01	1	05	-16.9	0.173	-9.000	-9.000	-999.	173.	33.0	0.09	1.12	1.00	2.05
39.	7.9	280.4	2.0												
12	01	01	1	06	-8.0	0.117	-9.000	-9.000	-999.	97.	17.8	0.09	1.12	1.00	1.43
21.	7.9	282.0	2.0												
12	01	01	1	07	-7.6	0.115	-9.000	-9.000	-999.	93.	17.4	0.09	1.12	1.00	1.40
31.	7.9	282.5	2.0												
12	01	01	1	08	-13.6	0.184	-9.000	-9.000	-999.	190.	40.5	0.09	1.12	0.54	2.16
34.	7.9	284.2	2.0												
12	01	01	1	09	28.4	0.126	0.300	0.011	33.	108.	-6.2	0.09	1.12	0.32	1.03
29.	7.9	289.2	2.0												
12	01	01	1	10	79.8	0.133	0.607	0.010	99.	116.	-2.6	0.09	1.12	0.25	0.94
173.	7.9	292.5	2.0												
12	01	01	1	11	115.8	0.137	0.932	0.006	246.	121.	-2.0	0.09	1.12	0.22	0.92
172.	7.9	295.4	2.0												
12	01	01	1	12	133.7	0.139	1.197	0.005	453.	125.	-1.8	0.09	1.12	0.21	0.92
146.	7.9	297.5	2.0												
12	01	01	1	13	133.2	0.160	1.354	0.005	657.	153.	-2.7	0.09	1.12	0.21	1.14
117.	7.9	299.9	2.0												
12	01	01	1	14	113.5	0.159	1.454	0.005	955.	151.	-3.1	0.09	1.12	0.23	1.16
285.	7.9	300.9	2.0												
12	01	01	1	15	76.2	0.166	1.350	0.005	1138.	163.	-5.3	0.09	1.12	0.26	1.33
72.	7.9	302.0	2.0												
12	01	01	1	16	23.5	0.175	0.925	0.005	1183.	175.	-19.9	0.09	1.12	0.35	1.65
107.	7.9	301.4	2.0												
12	01	01	1	17	-6.1	0.107	-9.000	-9.000	-999.	86.	18.0	0.09	1.12	0.63	1.31
107.	7.9	298.1	2.0												
12	01	01	1	18	-11.1	0.141	-9.000	-9.000	-999.	127.	22.1	0.09	1.12	1.00	1.69
86.	7.9	293.1	2.0												
12	01	01	1	19	-3.2	0.076	-9.000	-9.000	-999.	51.	11.8	0.09	1.12	1.00	0.91
64.	7.9	292.0	2.0												
12	01	01	1	20	-2.3	0.066	-9.000	-9.000	-999.	41.	11.2	0.09	1.12	1.00	0.74
73.	7.9	288.8	2.0												
12	01	01	1	21	-10.0	0.133	-9.000	-9.000	-999.	116.	20.5	0.09	1.12	1.00	1.60
14.	7.9	288.1	2.0												
12	01	01	1	22	-19.4	0.201	-9.000	-9.000	-999.	216.	44.5	0.09	1.12	1.00	2.36
22.	7.9	287.5	2.0												
12	01	01	1	23	-23.7	0.246	-9.000	-9.000	-999.	293.	66.5	0.09	1.12	1.00	2.86
40.	7.9	287.0	2.0												
12	01	01	1	24	-12.3	0.147	-9.000	-9.000	-999.	139.	23.8	0.09	1.12	1.00	1.76
40.	7.9	283.8	2.0												

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	43.	2.03	286.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 81

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR

SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF NOX MICROGRAMS/M**3		IN		
X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)		X-COORD (M)	Y-COORD
447362.21	3764292.67	4.75120	(16122116)		447375.98	
3764150.98	5.59044	(16122116)				
447389.75	3764043.04	6.87237	(16122116)		447450.16	
3764031.05	6.62390	(16122116)				
447410.18	3764019.05	6.98617	(16122116)		446891.90	
3764451.22	7.26231	(13112916)				
446959.28	3764451.22	7.40390	(13112916)		446995.28	
3764468.13	5.99832	(16011516)				
447007.41	3764467.30	6.08304	(16011516)		447023.51	
3764466.09	6.04321	(16011516)				
447036.59	3764466.21	6.02886	(13112916)		447052.68	
3764465.61	6.51830	(13112916)				
447066.60	3764465.73	7.01556	(13112916)		447099.65	
3764456.17	8.22197	(13112916)				
447145.28	3764468.27	7.34855	(16011516)		447175.54	
3764468.03	7.89447	(16011516)				
447205.32	3764468.27	7.64496	(16011516)		447232.43	
3764467.55	6.89101	(16011516)				
447264.02	3764467.30	5.86650	(16122116)		447294.77	
3764466.94	5.27240	(16122116)				
447364.97	3764456.41	4.23695	(16122116)		447406.61	
3764460.65	3.89716	(16122116)				
447441.47	3764460.04	3.72366	(16122116)		447466.88	
3764460.20	3.65979	(16122116)				
447490.00	3764460.56	3.62496	(16122116)		447515.50	
3764460.40	3.59957	(16122116)				
447573.06	3764454.29	3.63056	(16122116)		447598.49	
3764445.22	3.68126	(16122116)				
447652.90	3764439.70	3.74304	(16122116)		447692.92	
3764439.51	3.75344	(16122116)				
447713.82	3764439.11	3.74799	(16122116)		447731.95	
3764438.72	3.73172	(16122116)				
447751.07	3764438.72	3.70566	(16122116)		447768.82	
3764437.53	3.67728	(16122116)				
447789.12	3764437.73	3.62978	(16122116)		447805.68	
3764437.34	3.58159	(16122116)				
447824.02	3764437.20	3.51799	(16122116)		447841.61	
3764437.87	3.44618	(16122116)				
447861.72	3764437.53	3.35810	(16122116)		447881.66	
3764435.18	3.26677	(16122116)				
447902.78	3764436.19	3.16208	(16122116)		447920.87	
3764435.35	3.07199	(16122116)				
447942.16	3764435.35	2.96466	(16122116)		447962.77	
3764434.85	2.86194	(16122116)				
447980.70	3764435.18	2.77428	(16122116)		448004.66	
3764435.18	2.65977	(16122116)				
448021.25	3764434.68	2.58503	(16122116)		447662.70	

3764379.63	4.01325	(16122116)		
447681.30	3764320.98	4.29325	(16122116)	447682.64
3764285.79	4.46559	(16122116)		
447662.53	3764238.37	4.75468	(16122116)	447661.70
3764207.37	4.94783	(16122116)		
447683.14	3764162.29	5.12309	(16122116)	447680.97
3764145.87	5.23568	(16122116)		
447679.63	3764130.28	5.10275	(16122116)	447680.80
3764112.02	5.05345	(16122116)		
447681.47	3764096.43	5.17801	(16122116)	447680.80
3764078.84	5.31139	(16122116)		
447679.96	3764064.26	5.42534	(16122116)	447680.97
3764045.82	5.55055	(16122116)		
447680.63	3764029.74	5.67545	(16122116)	447657.17
3763992.03	6.37071	(16122116)		
447656.33	3763967.06	6.65679	(16122116)	447657.17
3763928.69	7.38989	(12120416)		
447657.17	3763902.21	8.23992	(14010716)	447657.51
3763869.03	9.59687	(16121216)		
447656.16	3763834.94	11.01797	(16121216)	447655.93
3763808.27	11.78659	(14120316)		
447657.09	3763786.00	11.59593	(14120316)	447701.21
3763782.14	9.19423	(14120316)		
447856.92	3763749.71	5.47204	(14120316)	447854.99
3763730.13	5.52788	(14120316)		
447854.35	3763698.35	5.55440	(14120316)	447855.31
3763676.84	5.49004	(14120316)		
447675.51	3763287.46	11.35129	(12121716)	448481.33
3763485.29	2.83494	(16122116)		
448479.95	3763195.53	3.66584	(16122116)	448478.56
3762907.16	6.16290	(15122116)		
448497.89	3762714.10	8.49699	(14120316)	448507.91
3762487.71	8.29118	(14120316)		

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*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 82

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	11.12813	(16121216)	448462.73	
3762339.82	11.94797	(16121216)			
448464.47	3762265.93	12.63236	(14120316)	448461.57	
3762165.17	14.87446	(14120316)			
448472.57	3762064.71	12.60410	(12121716)	448460.48	

3762016.72	14.69937	(12121716)		
448234.63	3761951.18	20.31615	(12121716)	448081.42
3761952.78	20.76227	(12121716)		
448025.53	3761955.99	23.12073	(12121716)	447506.75
3761967.63	17.02256	(12121716)		
447269.29	3761967.74	13.94593	(12121716)	447389.46
3761908.79	12.01625	(12121716)		
447019.14	3761964.34	13.20317	(12121716)	447060.33
3761963.58	12.61587	(12121716)		
446975.31	3761963.20	11.41204	(12121716)	446940.92
3761953.76	8.34434	(14121616)		
446865.72	3761974.54	9.21839	(14121616)	446795.06
3761957.91	8.07043	(14121616)		
446757.65	3761965.85	7.93720	(14121616)	446709.33
3761967.74	7.40558	(14121616)		
446796.42	3762028.62	10.36422	(14121616)	446796.97
3762045.28	10.78202	(14121616)		
446796.70	3762089.51	11.16493	(14121616)	446796.15
3762105.89	11.06459	(14121616)		
446796.70	3762137.29	10.80880	(14121616)	446796.15
3762153.39	10.61329	(14121616)		
446772.40	3762215.37	9.69578	(16102416)	446795.06
3762321.03	10.20490	(12021516)		
446796.42	3762450.98	5.50652	(14123015)	446796.42
3762471.18	5.00158	(14123015)		
446797.24	3762496.03	4.42600	(14123015)	446798.06
3762516.51	4.00177	(14123015)		
446797.79	3762539.98	3.58310	(14123015)	446797.52
3762560.19	3.27987	(14123015)		
446798.61	3762584.76	2.98271	(15012616)	446798.06
3762604.42	2.79042	(15012616)		
446799.70	3762654.11	2.40854	(15012616)	446799.97
3762674.58	2.42100	(15122216)		
446800.25	3762700.25	2.45037	(15122216)	446800.25
3762721.27	2.49297	(15122216)		
446799.97	3762735.74	2.52597	(15122216)	446797.79
3762748.02	2.55399	(15122216)		
446802.16	3762913.47	3.19559	(15122216)	446802.16
3762932.58	3.30127	(15122216)		
446802.43	3762949.24	3.40080	(15122216)	446802.98
3762967.26	3.51697	(15122216)		
446802.70	3762986.09	3.64594	(15122216)	446802.16
3763003.29	3.76876	(15122216)		
446802.16	3763021.86	3.91506	(15122216)	446802.70
3763040.70	4.07781	(15122216)		
446802.98	3763059.26	4.25178	(15122216)	446803.52
3763077.01	4.43510	(15122216)		
446756.29	3763085.26	4.09355	(15122216)	446807.68
3763646.39	8.73250	(16102416)		
446808.32	3763674.66	9.05961	(16102416)	446807.68
3763694.57	8.79719	(16102416)		
446808.32	3763710.63	8.57515	(16102416)	446808.32
3763726.37	8.39390	(16102416)		
446808.00	3763742.11	8.35006	(16102416)	446808.32
3763756.89	8.46428	(16102416)		
446808.64	3763798.32	8.77592	(12021516)	446810.25
3764484.08	5.18765	(13021809)		
446781.34	3764475.08	4.66358	(13021809)	446722.56
3764455.81	3.66113	(13021809)		
446170.32	3764559.79	1.82213	(16010610)	446872.29
3763190.26	7.48548	(15122216)		
446925.22	3763179.19	7.01874	(15122216)	446984.86
3763194.88	12.88777	(12121716)		
447010.56	3763193.28	11.97981	(12121716)	447036.58
3763193.60	10.71156	(12121716)		
447053.61	3763193.28	10.25843	(12121716)	447076.42

3763192.31	10.67091	(12121716)		
447093.45	3763192.63	11.91475	(12121716)	447122.05
3763192.63	14.98868	(12121716)		
447138.75	3763192.31	16.57911	(12121716)	447167.99
3763192.31	17.86210	(12121716)		
447170.68	3763172.18	15.58309	(12121716)	447170.41
3763158.25	14.12665	(12121716)		
447169.31	3763144.87	12.81483	(12121716)	447147.46
3763107.45	8.86516	(12121716)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 83

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*


*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	7.71754	(12121716)	447146.92	
3763064.30	6.98981	(12121716)			
447149.92	3763038.90	6.63092	(14121616)	447148.56	
3763019.78	6.44372	(14121616)			
447148.56	3762997.39	6.17160	(14121616)	447206.08	
3762958.49	6.84157	(15122216)			
447209.33	3762922.51	7.20084	(12021516)	447208.40	
3762890.70	6.94561	(14121616)			
447145.83	3762888.87	5.18905	(14121616)	447122.55	
3762889.07	4.83029	(14121616)			
447094.33	3762890.05	4.49591	(14121616)	447071.04	
3762890.45	4.26953	(14121616)			
447043.61	3762889.66	4.03551	(14121616)	447017.76	
3762888.87	3.84128	(14121616)			
446992.11	3762889.07	3.67144	(14121616)	446964.28	
3762888.28	3.50156	(14121616)			
446940.41	3762888.47	3.37513	(14121616)	446911.20	
3762888.08	3.23230	(14121616)			
446885.35	3762889.66	3.14160	(15122216)	446862.07	
3762888.87	3.11743	(15122216)			
446871.45	3762779.57	2.79003	(14121616)	446926.31	
3762768.72	2.95233	(14121616)			
446983.74	3762774.24	3.21163	(14121616)	447009.00	
3762774.05	3.33368	(14121616)			
447030.51	3762774.44	3.47227	(14121616)	447055.37	
3762774.05	3.61757	(14121616)			
447076.88	3762774.24	3.75622	(14121616)	447101.16	
3762774.44	3.91735	(15122216)			
447123.85	3762774.05	4.19926	(15122216)	447148.12	

3762775.03	4.56454	(15122216)		
447170.23	3762774.84	4.94980	(15122216)	447196.78
3762775.48	5.50569	(15122216)		
447242.12	3762776.57	6.54474	(15122216)	447262.33
3762776.03	6.91718	(15122216)		
447294.56	3762776.30	7.24283	(15122216)	447313.13
3762775.48	8.74468	(12121716)		
447313.40	3762749.53	7.40614	(12021516)	447327.86
3762713.09	8.85407	(12021516)		
447327.36	3762679.87	8.45600	(16102416)	447327.74
3762657.02	7.46013	(16102416)		
447327.28	3762636.82	7.03965	(14121616)	447327.51
3762612.90	6.95473	(14123015)		
447327.28	3762592.24	7.43655	(14123015)	447327.04
3762569.71	8.00959	(12021516)		
447327.28	3762547.89	9.01715	(12021516)	447326.58
3762524.67	9.39793	(12021516)		
447326.58	3762506.09	9.50851	(16102416)	447327.51
3762477.53	9.32678	(14121616)		
447325.88	3762454.31	9.92054	(16011516)	447225.58
3762432.95	9.08861	(16011516)		
447200.27	3762430.63	9.26057	(16011516)	447156.85
3762430.16	11.17351	(16011516)		
447131.77	3762430.86	11.84043	(16011516)	447102.74
3762430.63	11.43100	(16011516)		
447079.06	3762430.86	10.24113	(16011516)	447034.94
3762433.65	8.45079	(16011516)		
446995.47	3762433.65	9.19581	(16011516)	446972.71
3762434.34	9.65422	(16011516)		
446941.37	3762434.58	9.07751	(16011516)	446916.06
3762436.90	7.18956	(13112916)		
446876.35	3762436.90	7.18151	(14123015)	446848.85
3762647.05	2.51025	(13112916)		
446848.85	3762563.17	3.24693	(14123015)	446849.17
3762509.82	4.21260	(14123015)		
446849.17	3762455.82	6.02734	(14123015)	446848.85
3762702.00	2.52584	(15122216)		
446849.49	3762754.71	2.65650	(14121616)	


 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22
 *** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 84

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

DATE

GROUP ID	AVERAGE CONC	DATE	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID	(YYMMDDHH)	RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 23.12073 ON 12121716: AT (448025.53, 3761955.99,
 221.00, 221.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***

*** 16:20:17

PAGE 85

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1628 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1278 Calm Hours Identified

A Total of 350 Missing Hours Identified (0.80 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 1255 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1255 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

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**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Cons PM10\14822 Cons
PM10.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

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CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2035210 San_Bernardino_County
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Cons PM10.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION	VOL	VOLUME	X Coord.	Y Coord.	
LOCATION VOL1		447959.249	3762097.745		222.000
LOCATION VOL2		448134.383	3762098.764		222.370
LOCATION VOL3		447790.254	3762102.860		221.890
LOCATION VOL4		447618.190	3762098.764		221.000
LOCATION VOL5		447446.126	3762100.812		221.000
LOCATION VOL6		447276.110	3762094.667		220.000
LOCATION VOL7		447099.949	3762094.667		219.610
LOCATION VOL8		446929.933	3762096.715		220.000
LOCATION VOL9		448310.544	3762106.957		222.000
LOCATION VOL10		446926.657	3762209.795		221.340
LOCATION VOL11		446924.141	3762324.271		222.230
LOCATION VOL12		447100.259	3762207.279		221.000
LOCATION VOL13		447276.377	3762207.279		221.940
LOCATION VOL14		447447.462	3762207.279		222.000
LOCATION VOL15		447616.032	3762206.021		222.000
LOCATION VOL16		447807.246	3762206.021		222.590
LOCATION VOL17		447959.462	3762206.021		223.000
LOCATION VOL18		448138.096	3762203.505		222.620
LOCATION VOL19		448312.955	3762202.247		222.640
LOCATION VOL20		447100.259	3762325.529		221.990
LOCATION VOL21		447276.377	3762324.271		222.880
LOCATION VOL22		447448.720	3762324.271		222.690
LOCATION VOL23		447616.032	3762326.787		222.680
LOCATION VOL24		447789.634	3762328.045		223.720
LOCATION VOL25		447960.720	3762326.787		224.240
LOCATION VOL26		448135.580	3762328.045		224.450
LOCATION VOL27		448317.987	3762330.561		224.780
LOCATION VOL28		447432.367	3762512.969		225.260
LOCATION VOL29		447621.064	3762512.969		224.500

LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180
LOCATION PAREA1	AREAPOLY	446835.116	3764414.919	241.330
LOCATION PAREA2	AREAPOLY	446835.110	3763511.955	233.720
LOCATION PAREA3	AREAPOLY	447222.490	3762400.186	223.610
LOCATION PAREA4	AREAPOLY	447618.111	3762526.565	224.640

** Source Parameters **

SRCPARAM VOL1	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL2	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL3	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL4	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL5	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL6	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL7	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL8	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL9	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL10	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL11	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL12	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL13	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL14	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL15	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL16	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL17	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL18	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL19	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL20	0.0002924951	5.000	44.302	1.400

SRCPARAM	VOL21	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL22	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL23	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL24	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL25	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL26	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL27	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL28	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL29	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL30	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL31	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL32	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL33	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL34	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL35	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL36	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL37	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL38	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL39	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL40	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL41	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL42	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL43	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL44	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL45	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL46	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL47	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL48	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL49	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL50	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL51	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL52	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL53	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL54	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL55	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL56	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL57	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL58	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL59	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL60	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL61	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL62	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL63	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL64	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL65	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL66	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL67	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL68	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL69	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL70	0.0002924951	5.000	44.302	1.400
SRCPARAM	PAREA1	1.3326E-07	0.000	6	1.000
AREAVERT	PAREA1	446835.116	3764414.919	447234.398	3764418.582
AREAVERT	PAREA1	447230.735	3763903.910	447628.186	3763903.910
AREAVERT	PAREA1	447633.681	3763612.691	446829.621	3763607.196
SRCPARAM	PAREA2	1.3326E-07	0.000	4	1.000
AREAVERT	PAREA2	446835.110	3763511.955	447140.984	3763510.123
AREAVERT	PAREA2	447139.153	3763213.407	446836.942	3763204.249
SRCPARAM	PAREA3	1.3326E-07	0.000	4	1.000
AREAVERT	PAREA3	447222.490	3762400.186	447623.606	3762403.849
AREAVERT	PAREA3	447618.111	3761999.069	447216.995	3762002.733
SRCPARAM	PAREA4	1.3326E-07	0.000	4	1.000
AREAVERT	PAREA4	447618.111	3762526.565	448416.680	3762530.228
AREAVERT	PAREA4	448411.185	3762209.701	447625.437	3762206.038
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"


```

** Saturday:
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA2      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA3      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA4      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

```

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING
INCLUDED "14822 Cons PM10.rou"

RE FINISHED

```
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS
```

```
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
```

```
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14822 CONS PM10.AD\24H1GALL.PLT" 31
SUMMFILE "14822 Cons PM10.sum"
```

```
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM North American Datum 1983
** DTMRGN CONUS
** UNITS m
** ZONE 11
** ZONEINX 0
**
```

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Cons PM10\14822 Cons
PM10.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

CO STARTING

```

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2035210 San_Bernardino_County
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Cons PM10.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260

LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500
LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180
LOCATION PAREA1	AREAPOLY	446835.116	3764414.919	241.330
LOCATION PAREA2	AREAPOLY	446835.110	3763511.955	233.720
LOCATION PAREA3	AREAPOLY	447222.490	3762400.186	223.610
LOCATION PAREA4	AREAPOLY	447618.111	3762526.565	224.640

** Source Parameters **

SRCPARAM VOL1	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL2	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL3	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL4	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL5	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL6	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL7	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL8	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL9	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL10	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL11	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL12	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL13	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL14	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL15	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL16	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL17	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL18	0.0002924951	5.000	44.302	1.400
SRCPARAM VOL19	0.0002924951	5.000	44.302	1.400

SRCPARAM	VOL20	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL21	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL22	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL23	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL24	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL25	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL26	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL27	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL28	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL29	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL30	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL31	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL32	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL33	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL34	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL35	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL36	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL37	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL38	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL39	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL40	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL41	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL42	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL43	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL44	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL45	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL46	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL47	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL48	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL49	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL50	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL51	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL52	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL53	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL54	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL55	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL56	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL57	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL58	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL59	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL60	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL61	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL62	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL63	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL64	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL65	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL66	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL67	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL68	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL69	0.0002924951	5.000	44.302	1.400
SRCPARAM	VOL70	0.0002924951	5.000	44.302	1.400
SRCPARAM	PAREA1	1.3326E-07	0.000	6	1.000
AREAVERT	PAREA1	446835.116	3764414.919	447234.398	3764418.582
AREAVERT	PAREA1	447230.735	3763903.910	447628.186	3763903.910
AREAVERT	PAREA1	447633.681	3763612.691	446829.621	3763607.196
SRCPARAM	PAREA2	1.3326E-07	0.000	4	1.000
AREAVERT	PAREA2	446835.110	3763511.955	447140.984	3763510.123
AREAVERT	PAREA2	447139.153	3763213.407	446836.942	3763204.249
SRCPARAM	PAREA3	1.3326E-07	0.000	4	1.000
AREAVERT	PAREA3	447222.490	3762400.186	447623.606	3762403.849
AREAVERT	PAREA3	447618.111	3761999.069	447216.995	3762002.733
SRCPARAM	PAREA4	1.3326E-07	0.000	4	1.000
AREAVERT	PAREA4	447618.111	3762526.565	448416.680	3762530.228
AREAVERT	PAREA4	448411.185	3762209.701	447625.437	3762206.038
URBANSRC	ALL				

```

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL1      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL2      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL3      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL4      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL5      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL5      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL5      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0

```



```

EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA2      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA3      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA4      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
INCLUDED "14822 Cons PM10.rou"

```

RE FINISHED

**

** AERMOD Meteorology Pathway

**
**

ME STARTING

SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING

RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14822 CONS PM10.AD\24H1GALL.PLT" 31
SUMMFILE "14822 Cons PM10.sum"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

ME W186 1332 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1332 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 1

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.

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* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 74 Source(s),
  for Total of 1 Urban Area(s):
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 74 Source(s); 1 Source Group(s); and 227 Receptor(s)

with: 0 POINT(s), including
      0 POINTCAP(s) and 0 POINTHOR(s)
and: 70 VOLUME source(s)
and: 4 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                    m for Missing Hours
                                                    b for Both Calm and Missing
                                                    Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 289.00 ; Decay Coef. =
0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File:
aermod.inp
**Output Print File:
aermod.out

**Detailed Error/Message File: 14822 Cons
PM10.err
**File for Summary of Results: 14822 Cons
PM10.sum

```


VOL48	0	0.29250E-03	447112.8	3763304.2	231.8	5.00	44.30	1.40
YES HRDOW								
VOL49	0	0.29250E-03	446924.1	3763305.5	231.6	5.00	44.30	1.40
YES HRDOW								
VOL50	0	0.29250E-03	447533.0	3763469.0	233.5	5.00	44.30	1.40
YES HRDOW								
VOL51	0	0.29250E-03	447217.3	3763472.8	233.2	5.00	44.30	1.40
YES HRDOW								
VOL52	0	0.29250E-03	447088.9	3763471.6	233.0	5.00	44.30	1.40
YES HRDOW								
VOL53	0	0.29250E-03	446925.4	3763474.1	232.6	5.00	44.30	1.40
YES HRDOW								
VOL54	0	0.29250E-03	447361.9	3763470.3	233.5	5.00	44.30	1.40
YES HRDOW								
VOL55	0	0.29250E-03	447531.7	3763659.5	234.9	5.00	44.30	1.40
YES HRDOW								
VOL56	0	0.29250E-03	447533.5	3763806.8	235.6	5.00	44.30	1.40
YES HRDOW								
VOL57	0	0.29250E-03	447359.9	3763658.4	234.1	5.00	44.30	1.40
YES HRDOW								
VOL58	0	0.29250E-03	447219.0	3763657.1	234.1	5.00	44.30	1.40
YES HRDOW								
VOL59	0	0.29250E-03	447090.7	3763659.7	234.5	5.00	44.30	1.40
YES HRDOW								
VOL60	0	0.29250E-03	446930.9	3763659.7	234.2	5.00	44.30	1.40
YES HRDOW								
VOL61	0	0.29250E-03	447357.4	3763804.3	234.7	5.00	44.30	1.40
YES HRDOW								
VOL62	0	0.29250E-03	447219.0	3763804.3	234.9	5.00	44.30	1.40
YES HRDOW								
VOL63	0	0.29250E-03	447093.2	3763805.6	235.8	5.00	44.30	1.40
YES HRDOW								
VOL64	0	0.29250E-03	446932.2	3763805.6	235.5	5.00	44.30	1.40
YES HRDOW								
VOL65	0	0.29250E-03	447133.5	3763996.8	237.4	5.00	44.30	1.40
YES HRDOW								
VOL66	0	0.29250E-03	446943.5	3763996.8	237.4	5.00	44.30	1.40
YES HRDOW								
VOL67	0	0.29250E-03	447134.7	3764159.1	239.1	5.00	44.30	1.40
YES HRDOW								
VOL68	0	0.29250E-03	446944.8	3764159.1	240.0	5.00	44.30	1.40
YES HRDOW								
VOL69	0	0.29250E-03	447136.0	3764318.9	241.0	5.00	44.30	1.40
YES HRDOW								
VOL70	0	0.29250E-03	446944.8	3764317.6	240.2	5.00	44.30	1.40
YES HRDOW								

HR *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22
 *** AERMET - VERSION 16216 ***
 *** 16:36:41

PAGE 4

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE	LOCATION OF AREA		BASE	RELEASE	NUMBER	INIT.
SOURCE	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT	OF VERTS.	SZ
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)		
(METERS)		BY						

PAREA1	0	0.13326E-06	446835.1	3764414.9	241.3	0.00	6	1.00
YES HRDOW								
PAREA2	0	0.13326E-06	446835.1	3763512.0	233.7	0.00	4	1.00
YES HRDOW								
PAREA3	0	0.13326E-06	447222.5	3762400.2	223.6	0.00	4	1.00
YES HRDOW								
PAREA4	0	0.13326E-06	447618.1	3762526.6	224.6	0.00	4	1.00
YES HRDOW								

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 5

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs											
-----	-----											
ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,
	VOL47	,	VOL48	,								
	VOL49	,	VOL50	,	VOL51	,	VOL52	,	VOL53	,	VOL54	,
	VOL55	,	VOL56	,								
	VOL57	,	VOL58	,	VOL59	,	VOL60	,	VOL61	,	VOL62	,
	VOL63	,	VOL64	,								
	VOL65	,	VOL66	,	VOL67	,	VOL68	,	VOL69	,	VOL70	,
	PAREA1	,	PAREA2	,								
	PAREA3	,	PAREA4	,								

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----

```

2035210. VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 ,
VOL8 ,
VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 ,
VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 ,
VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
VOL31 , VOL32 ,
VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,
VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
VOL55 , VOL56 ,
VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
VOL63 , VOL64 ,
VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,
PAREA1 , PAREA2 ,
PAREA3 , PAREA4 ,

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*** 16:36:41

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PAGE 7

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

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```

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
-----

```

```

DAY OF WEEK = WEEKDAY

```

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY

```

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SUNDAY

```

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

```

PAGE 8

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

PAGE 9

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:36:41

PAGE 10

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:36:41

PAGE 11

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22

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16:36:41

PAGE 12

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:36:41

PAGE 13

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22
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*** 16:36:41

PAGE 14

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22
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*** 16:36:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:36:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:36:41

PAGE 17

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:36:41

PAGE 18

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 19

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 20

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 21

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 22

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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16:36:41

PAGE 23

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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 Haven\AQIA\14822 Ops *** 10/13/22

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:36:41

PAGE 26

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:36:41

PAGE 27

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 28

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 29

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 30

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 31

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 32

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***
*** 16:36:41

PAGE 33

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***
*** 16:36:41

PAGE 34

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:36:41

PAGE 35

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:36:41

PAGE 36

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:36:41

PAGE 37

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:36:41

PAGE 38

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

HRAS
Haven\AQIA\14822 Ops ***

HRAS	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar
------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** 16:36:41

PAGE 39

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :

Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar
------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** 16:36:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:36:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:36:41

PAGE 42

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:36:41

PAGE 43

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 44

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 45

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:36:41

PAGE 46

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:36:41

PAGE 47

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:36:41

PAGE 48

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 49

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :

Hourly scalar emission rates for source VOL43, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 50

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :

Hourly scalar emission rates for source VOL44, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 51

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 52

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 53

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 54

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 55

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :									
1	SCALAR	2	SCALAR	3	SCALAR	4	SCALAR	5	SCALAR
6	SCALAR	7	SCALAR	8	SCALAR	9	SCALAR	10	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 56

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL50, showing hours 1-24 and their corresponding scalar values.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekdays (Days 1-24). Values range from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturdays (Days 1-24). All values are 0.0000E+00.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sundays (Days 1-24). All values are 0.0000E+00.

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 57

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL51, showing hours 1-24 and their corresponding scalar values.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekdays (Days 1-24). Values range from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturdays (Days 1-24). All values are 0.0000E+00.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sundays (Days 1-24). All values are 0.0000E+00.

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:36:41

PAGE 58

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:36:41

PAGE 59

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:36:41

PAGE 60

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:36:41

PAGE 61

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:36:41

PAGE 62

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL56 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:36:41

PAGE 63

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL57 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 16:36:41

PAGE 64

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL58 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL59 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Sunday. All values are .0000E+00.

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL60 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 1 row of scalar values for Sunday. All values are .0000E+00.

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:36:41

PAGE 67

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL61 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:36:41

PAGE 68

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 69

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL63 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 70

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL64 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 71

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL65 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 72

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL66 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

16:36:41

PAGE 73

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL67 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

PAGE 74

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL68 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

PAGE 75

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL69 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:36:41

PAGE 76

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL70 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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16:36:41

PAGE 77

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:36:41

PAGE 80

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = PAREA4 ; SOURCE TYPE = AREAPOLY :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***
*** 16:36:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(447362.2, 3764292.7,	240.7,	240.7,	2.0);	(447376.0, 3764151.0,
239.6, 239.6,	2.0);			
(447389.8, 3764043.0,	237.8,	237.8,	2.0);	(447450.2, 3764031.0,
237.5, 237.5,	2.0);			
(447410.2, 3764019.0,	237.5,	237.5,	2.0);	(446891.9, 3764451.2,
241.5, 241.5,	2.0);			
(446959.3, 3764451.2,	241.5,	241.5,	2.0);	(446995.3, 3764468.1,
241.8, 241.8,	2.0);			
(447007.4, 3764467.3,	241.9,	241.9,	2.0);	(447023.5, 3764466.1,
241.9, 241.9,	2.0);			
(447036.6, 3764466.2,	241.9,	241.9,	2.0);	(447052.7, 3764465.6,
242.0, 242.0,	2.0);			
(447066.6, 3764465.7,	242.1,	242.1,	2.0);	(447099.6, 3764456.2,
242.1, 242.1,	2.0);			
(447145.3, 3764468.3,	242.1,	242.1,	2.0);	(447175.5, 3764468.0,
241.7, 241.7,	2.0);			
(447205.3, 3764468.3,	241.3,	241.3,	2.0);	(447232.4, 3764467.5,
242.0, 242.0,	2.0);			
(447264.0, 3764467.3,	243.3,	243.3,	2.0);	(447294.8, 3764466.9,
243.8, 243.8,	2.0);			
(447365.0, 3764456.4,	243.3,	243.3,	2.0);	(447406.6, 3764460.6,
243.1, 243.1,	2.0);			
(447441.5, 3764460.0,	243.2,	243.2,	2.0);	(447466.9, 3764460.2,
243.2, 243.2,	2.0);			
(447490.0, 3764460.6,	242.9,	242.9,	2.0);	(447515.5, 3764460.4,
242.6, 242.6,	2.0);			
(447573.1, 3764454.3,	241.6,	241.6,	2.0);	(447598.5, 3764445.2,
241.8, 241.8,	2.0);			
(447652.9, 3764439.7,	243.1,	243.1,	2.0);	(447692.9, 3764439.5,
243.1, 243.1,	2.0);			
(447713.8, 3764439.1,	243.1,	243.1,	2.0);	(447732.0, 3764438.7,
243.2, 243.2,	2.0);			
(447751.1, 3764438.7,	243.3,	243.3,	2.0);	(447768.8, 3764437.5,
243.4, 243.4,	2.0);			
(447789.1, 3764437.7,	243.7,	243.7,	2.0);	(447805.7, 3764437.3,
243.8, 243.8,	2.0);			
(447824.0, 3764437.2,	243.9,	243.9,	2.0);	(447841.6, 3764437.9,
243.9, 243.9,	2.0);			
(447861.7, 3764437.5,	243.9,	243.9,	2.0);	(447881.7, 3764435.2,
243.8, 243.8,	2.0);			
(447902.8, 3764436.2,	243.8,	243.8,	2.0);	(447920.9, 3764435.3,
243.8, 243.8,	2.0);			
(447942.2, 3764435.3,	243.8,	243.8,	2.0);	(447962.8, 3764434.8,
243.8, 243.8,	2.0);			
(447980.7, 3764435.2,	243.8,	243.8,	2.0);	(448004.7, 3764435.2,
243.6, 243.6,	2.0);			
(448021.2, 3764434.7,	243.0,	243.0,	2.0);	(447662.7, 3764379.6,
243.6, 243.6,	2.0);			
(447681.3, 3764321.0,	243.4,	243.4,	2.0);	(447682.6, 3764285.8,
242.3, 242.3,	2.0);			
(447662.5, 3764238.4,	241.1,	241.1,	2.0);	(447661.7, 3764207.4,
240.2, 240.2,	2.0);			
(447683.1, 3764162.3,	239.1,	239.1,	2.0);	(447681.0, 3764145.9,
238.7, 238.7,	2.0);			
(447679.6, 3764130.3,	238.2,	238.2,	2.0);	(447680.8, 3764112.0,
237.8, 237.8,	2.0);			
(447681.5, 3764096.4,	237.6,	237.6,	2.0);	(447680.8, 3764078.8,
237.4, 237.4,	2.0);			
(447680.0, 3764064.3,	237.4,	237.4,	2.0);	(447681.0, 3764045.8,

```

237.5,      237.5,      2.0);
( 447680.6, 3764029.7,    237.5,    237.5,    2.0);
237.3,      237.3,      2.0);
( 447656.3, 3763967.1,    237.5,    237.5,    2.0);
237.5,      237.5,      2.0);
( 447657.2, 3763902.2,    237.6,    237.6,    2.0);
237.3,      237.3,      2.0);
( 447656.2, 3763834.9,    237.4,    237.4,    2.0);
237.5,      237.5,      2.0);
( 447657.1, 3763786.0,    237.6,    237.6,    2.0);
237.7,      237.7,      2.0);
( 447856.9, 3763749.7,    236.2,    236.2,    2.0);
236.0,      236.0,      2.0);
( 447854.3, 3763698.3,    235.6,    235.6,    2.0);
235.4,      235.4,      2.0);
( 447675.5, 3763287.5,    232.0,    232.0,    2.0);
235.6,      235.6,      2.0);
( 448480.0, 3763195.5,    232.0,    232.0,    2.0);
229.4,      229.4,      2.0);
( 448497.9, 3762714.1,    228.1,    228.1,    2.0);
225.8,      225.8,      2.0);
( 448480.5, 3762358.0,    224.8,    224.8,    2.0);
224.6,      224.6,      2.0);
( 448464.5, 3762265.9,    223.3,    223.3,    2.0);
222.0,      222.0,      2.0);
( 448472.6, 3762064.7,    220.0,    220.0,    2.0);
219.4,      219.4,      2.0);
( 448234.6, 3761951.2,    220.0,    220.0,    2.0);
220.9,      220.9,      2.0);
( 448025.5, 3761956.0,    221.0,    221.0,    2.0);
220.0,      220.0,      2.0);

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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/13/22

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*** AERMET - VERSION 16216 ***
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*** 16:36:41

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PAGE 82

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 447269.3, 3761967.7,    219.7,    219.7,    2.0);
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( 446795.1, 3762321.0,
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( 446798.1, 3762516.5,
( 446797.5, 3762560.2,

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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 83

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(446871.5, 3762779.6, 228.6, 228.6, 2.0);	(446926.3, 3762768.7, 228.6, 228.6, 2.0);
(446983.7, 3762774.2, 228.6, 228.6, 2.0);	(447009.0, 3762774.0, 228.5, 228.5, 2.0);
(447030.5, 3762774.4, 228.2, 228.2, 2.0);	(447055.4, 3762774.0, 228.0, 228.0, 2.0);
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(447170.2, 3762774.8, 228.5, 228.5, 2.0);	(447196.8, 3762775.5, 228.5, 228.5, 2.0);
(447242.1, 3762776.6, 228.5, 228.5, 2.0);	(447262.3, 3762776.0, 228.4, 228.4, 2.0);
(447294.6, 3762776.3, 228.3, 228.3, 2.0);	(447313.1, 3762775.5, 228.3, 228.3, 2.0);
(447313.4, 3762749.5, 228.3, 228.3, 2.0);	(447327.9, 3762713.1, 228.1, 228.1, 2.0);
(447327.4, 3762679.9, 227.5, 227.5, 2.0);	(447327.7, 3762657.0, 227.2, 227.2, 2.0);
(447327.3, 3762636.8, 226.9, 226.9, 2.0);	(447327.5, 3762612.9, 226.4, 226.4, 2.0);
(447327.3, 3762592.2, 226.2, 226.2, 2.0);	(447327.0, 3762569.7, 226.0, 226.0, 2.0);
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(447326.6, 3762506.1, 225.4, 225.4, 2.0);	(447327.5, 3762477.5, 224.9, 224.9, 2.0);
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(447131.8, 3762430.9, 223.6, 223.6, 2.0);	(447102.7, 3762430.6, 223.4, 223.4, 2.0);
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(446941.4, 3762434.6, 223.5, 223.5, 2.0);	(446916.1, 3762436.9, 223.7, 223.7, 2.0);
(446876.3, 3762436.9, 223.7, 223.7, 2.0);	(446848.8, 3762647.0, 227.4, 227.4, 2.0);
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Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***

*** 16:36:41

34.	7.9	285.4	2.0											
12 01 01	1 03	-17.8	0.182	-9.000	-9.000	-999.	187.	36.5	0.09	1.12	1.00	2.15		
24.	7.9	282.0	2.0											
12 01 01	1 04	-9.4	0.128	-9.000	-9.000	-999.	110.	19.6	0.09	1.12	1.00	1.55		
41.	7.9	283.1	2.0											
12 01 01	1 05	-16.9	0.173	-9.000	-9.000	-999.	173.	33.0	0.09	1.12	1.00	2.05		
39.	7.9	280.4	2.0											
12 01 01	1 06	-8.0	0.117	-9.000	-9.000	-999.	97.	17.8	0.09	1.12	1.00	1.43		
21.	7.9	282.0	2.0											
12 01 01	1 07	-7.6	0.115	-9.000	-9.000	-999.	93.	17.4	0.09	1.12	1.00	1.40		
31.	7.9	282.5	2.0											
12 01 01	1 08	-13.6	0.184	-9.000	-9.000	-999.	190.	40.5	0.09	1.12	0.54	2.16		
34.	7.9	284.2	2.0											
12 01 01	1 09	28.4	0.126	0.300	0.011	33.	108.	-6.2	0.09	1.12	0.32	1.03		
29.	7.9	289.2	2.0											
12 01 01	1 10	79.8	0.133	0.607	0.010	99.	116.	-2.6	0.09	1.12	0.25	0.94		
173.	7.9	292.5	2.0											
12 01 01	1 11	115.8	0.137	0.932	0.006	246.	121.	-2.0	0.09	1.12	0.22	0.92		
172.	7.9	295.4	2.0											
12 01 01	1 12	133.7	0.139	1.197	0.005	453.	125.	-1.8	0.09	1.12	0.21	0.92		
146.	7.9	297.5	2.0											
12 01 01	1 13	133.2	0.160	1.354	0.005	657.	153.	-2.7	0.09	1.12	0.21	1.14		
117.	7.9	299.9	2.0											
12 01 01	1 14	113.5	0.159	1.454	0.005	955.	151.	-3.1	0.09	1.12	0.23	1.16		
285.	7.9	300.9	2.0											
12 01 01	1 15	76.2	0.166	1.350	0.005	1138.	163.	-5.3	0.09	1.12	0.26	1.33		
72.	7.9	302.0	2.0											
12 01 01	1 16	23.5	0.175	0.925	0.005	1183.	175.	-19.9	0.09	1.12	0.35	1.65		
107.	7.9	301.4	2.0											
12 01 01	1 17	-6.1	0.107	-9.000	-9.000	-999.	86.	18.0	0.09	1.12	0.63	1.31		
107.	7.9	298.1	2.0											
12 01 01	1 18	-11.1	0.141	-9.000	-9.000	-999.	127.	22.1	0.09	1.12	1.00	1.69		
86.	7.9	293.1	2.0											
12 01 01	1 19	-3.2	0.076	-9.000	-9.000	-999.	51.	11.8	0.09	1.12	1.00	0.91		
64.	7.9	292.0	2.0											
12 01 01	1 20	-2.3	0.066	-9.000	-9.000	-999.	41.	11.2	0.09	1.12	1.00	0.74		
73.	7.9	288.8	2.0											
12 01 01	1 21	-10.0	0.133	-9.000	-9.000	-999.	116.	20.5	0.09	1.12	1.00	1.60		
14.	7.9	288.1	2.0											
12 01 01	1 22	-19.4	0.201	-9.000	-9.000	-999.	216.	44.5	0.09	1.12	1.00	2.36		
22.	7.9	287.5	2.0											
12 01 01	1 23	-23.7	0.246	-9.000	-9.000	-999.	293.	66.5	0.09	1.12	1.00	2.86		
40.	7.9	287.0	2.0											
12 01 01	1 24	-12.3	0.147	-9.000	-9.000	-999.	139.	23.8	0.09	1.12	1.00	1.76		
40.	7.9	283.8	2.0											

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	43.	2.03	286.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 86

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	0.16147	(14111124)	447375.98	
3764150.98	0.15237	(14111124)			
447389.75	3764043.04	0.15334c	(12101124)	447450.16	
3764031.05	0.15016c	(12101124)			
447410.18	3764019.05	0.16538c	(12101124)	446891.90	
3764451.22	0.20399	(14121224)			
446959.28	3764451.22	0.23840c	(13012824)	446995.28	
3764468.13	0.19901c	(13012824)			
447007.41	3764467.30	0.20425c	(13012824)	447023.51	
3764466.09	0.21131c	(13012824)			
447036.59	3764466.21	0.21373c	(13012824)	447052.68	
3764465.61	0.21782c	(13012824)			
447066.60	3764465.73	0.21921c	(13012824)	447099.65	
3764456.17	0.25076c	(13012824)			
447145.28	3764468.27	0.21439c	(13012824)	447175.54	
3764468.03	0.21118c	(13012824)			
447205.32	3764468.27	0.20730	(13020824)	447232.43	
3764467.55	0.20505	(13020824)			
447264.02	3764467.30	0.17694	(13020824)	447294.77	
3764466.94	0.15936c	(12120524)			
447364.97	3764456.41	0.12614c	(12120524)	447406.61	
3764460.65	0.10811c	(12120524)			
447441.47	3764460.04	0.09715c	(12120524)	447466.88	
3764460.20	0.09054c	(12120524)			
447490.00	3764460.56	0.08538c	(12120524)	447515.50	
3764460.40	0.08047c	(12120524)			
447573.06	3764454.29	0.07162c	(12120524)	447598.49	
3764445.22	0.06833c	(12120524)			
447652.90	3764439.70	0.06205c	(12120524)	447692.92	
3764439.51	0.05905c	(12011024)			
447713.82	3764439.11	0.05761c	(12011024)	447731.95	
3764438.72	0.05637c	(12011024)			
447751.07	3764438.72	0.05508c	(12011024)	447768.82	
3764437.53	0.05398c	(12011024)			
447789.12	3764437.73	0.05261c	(12011024)	447805.68	
3764437.34	0.05155c	(12011024)			
447824.02	3764437.20	0.05038c	(12011024)	447841.61	
3764437.87	0.04923c	(12011024)			
447861.72	3764437.53	0.04796c	(12011024)	447881.66	
3764435.18	0.04676c	(12011024)			
447902.78	3764436.19	0.04531c	(12011024)	447920.87	
3764435.35	0.04410c	(12011024)			
447942.16	3764435.35	0.04264c	(12120524)	447962.77	
3764434.85	0.04149c	(13111224)			
447980.70	3764435.18	0.04095c	(13111224)	448004.66	
3764435.18	0.04021c	(13111224)			
448021.25	3764434.68	0.03971c	(13111224)	447662.70	
3764379.63	0.06585c	(12011024)			
447681.30	3764320.98	0.06633c	(12011024)	447682.64	
3764285.79	0.06768c	(12011024)			
447662.53	3764238.37	0.07226c	(12011024)	447661.70	
3764207.37	0.07457c	(12011024)			

447683.14	3764162.29	0.07589c	(12011024)	447680.97
3764145.87	0.07784c	(12011024)		
447679.63	3764130.28	0.07985c	(12011024)	447680.80
3764112.02	0.08243c	(12120524)		
447681.47	3764096.43	0.08633c	(12120524)	447680.80
3764078.84	0.09162c	(12120524)		
447679.96	3764064.26	0.09676c	(12120524)	447680.97
3764045.82	0.10418c	(12120524)		
447680.63	3764029.74	0.11208c	(12120524)	447657.17
3763992.03	0.14342c	(12120524)		
447656.33	3763967.06	0.17151c	(12120524)	447657.17
3763928.69	0.23950c	(12120524)		
447657.17	3763902.21	0.33020	(13112024)	447657.51
3763869.03	0.38285	(14111124)		
447656.16	3763834.94	0.39893	(14111124)	447655.93
3763808.27	0.39962	(14111124)		
447657.09	3763786.00	0.38948	(14111124)	447701.21
3763782.14	0.25896b	(12123124)		
447856.92	3763749.71	0.11723b	(12123124)	447854.99
3763730.13	0.11445b	(12123124)		
447854.35	3763698.35	0.10628b	(12123124)	447855.31
3763676.84	0.09863b	(12123124)		
447675.51	3763287.46	0.07006	(12121724)	448481.33
3763485.29	0.03239c	(12122124)		
448479.95	3763195.53	0.03756c	(12122124)	448478.56
3762907.16	0.05345	(14010724)		
448497.89	3762714.10	0.08396	(14010724)	448507.91
3762487.71	0.22700	(13112024)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 16:36:41

PAGE 87

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):		VOL1	, VOL2	,	
VOL3	, VOL4	, VOL5	, VOL6	,	
VOL7	, VOL8	, VOL9	, VOL10	,	
VOL11	, VOL12	, VOL13	, VOL14	,	
VOL14	, VOL15	, VOL16	, VOL17	, VOL18	,
VOL19	, VOL20	, VOL21	, VOL22	, VOL23	,
VOL22	, VOL23	, VOL24	, VOL25	, VOL26	,
VOL27	, VOL28	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	0.26476b	(12123124)	448462.73	
3762339.82	0.30238b	(12123124)			
448464.47	3762265.93	0.26232b	(12123124)	448461.57	
3762165.17	0.16641	(12012424)			
448472.57	3762064.71	0.09905c	(15012824)	448460.48	
3762016.72	0.08666c	(15012824)			
448234.63	3761951.18	0.07857c	(15012824)	448081.42	
3761952.78	0.08134c	(15012824)			
448025.53	3761955.99	0.08391c	(15012824)	447506.75	
3761967.63	0.27648	(15122224)			

447269.29	3761967.74	0.30986	(15122224)	447389.46
3761908.79	0.18247	(15122224)		
447019.14	3761964.34	0.07945m	(15123124)	447060.33
3761963.58	0.09379	(15122224)		
446975.31	3761963.20	0.07356m	(15123124)	446940.92
3761953.76	0.06718m	(15123124)		
446865.72	3761974.54	0.06379m	(15123124)	446795.06
3761957.91	0.05537m	(15123124)		
446757.65	3761965.85	0.05317m	(15123124)	446709.33
3761967.74	0.04941m	(15123124)		
446796.42	3762028.62	0.06118m	(15123124)	446796.97
3762045.28	0.06295c	(14123024)		
446796.70	3762089.51	0.06498c	(14123024)	446796.15
3762105.89	0.06465c	(14123024)		
446796.70	3762137.29	0.06325c	(14123024)	446796.15
3762153.39	0.06190c	(14123024)		
446772.40	3762215.37	0.05144	(16102424)	446795.06
3762321.03	0.04940	(16012124)		
446796.42	3762450.98	0.04253	(15112724)	446796.42
3762471.18	0.04114	(15112724)		
446797.24	3762496.03	0.03952	(15112724)	446798.06
3762516.51	0.03930	(15012624)		
446797.79	3762539.98	0.03917	(15012624)	446797.52
3762560.19	0.03898	(15012624)		
446798.61	3762584.76	0.03878	(15012624)	446798.06
3762604.42	0.03841	(15012624)		
446799.70	3762654.11	0.03757	(15012624)	446799.97
3762674.58	0.03712	(15012624)		
446800.25	3762700.25	0.03644	(15012624)	446800.25
3762721.27	0.03768	(15122224)		
446799.97	3762735.74	0.03955	(15122224)	446797.79
3762748.02	0.04146	(15122224)		
446802.16	3762913.47	0.07455	(15122224)	446802.16
3762932.58	0.08013	(15122224)		
446802.43	3762949.24	0.08534	(15122224)	446802.98
3762967.26	0.09142	(15122224)		
446802.70	3762986.09	0.09843	(15122224)	446802.16
3763003.29	0.10543	(15122224)		
446802.16	3763021.86	0.11375	(15122224)	446802.70
3763040.70	0.12324	(15122224)		
446802.98	3763059.26	0.13393	(15122224)	446803.52
3763077.01	0.14577	(15122224)		
446756.29	3763085.26	0.13604	(15122224)	446807.68
3763646.39	0.34290	(15122224)		
446808.32	3763674.66	0.34339	(15122224)	446807.68
3763694.57	0.33814	(15122224)		
446808.32	3763710.63	0.33938	(15122224)	446808.32
3763726.37	0.33740	(15122224)		
446808.00	3763742.11	0.33356	(15122224)	446808.32
3763756.89	0.33332	(15122224)		
446808.64	3763798.32	0.32972	(15122224)	446810.25
3764484.08	0.14401	(16092024)		
446781.34	3764475.08	0.13500	(14121224)	446722.56
3764455.81	0.11482	(15012624)		
446170.32	3764559.79	0.03189	(15012624)	446872.29
3763190.26	0.40935	(15122224)		
446925.22	3763179.19	0.31905	(15122224)	446984.86
3763194.88	0.38217	(15122224)		
447010.56	3763193.28	0.34657	(15122224)	447036.58
3763193.60	0.32140	(15122224)		
447053.61	3763193.28	0.29680	(15122224)	447076.42
3763192.31	0.25235b	(16012724)		
447093.45	3763192.63	0.25621b	(16012724)	447122.05
3763192.63	0.25798c	(15012824)		
447138.75	3763192.31	0.25388c	(15012824)	447167.99
3763192.31	0.19323c	(15012824)		

447170.68 3763172.18 0.15375c (15012824) 447170.41
 3763158.25 0.13639c (15012824)
 447169.31 3763144.87 0.12418 (12121724) 447147.46
 3763107.45 0.09398 (12121724)

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/13/22
 *** AERMET - VERSION 16216 ***
 *** 16:36:41

PAGE 88

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*


*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	0.08155	(12121724)	447146.92	
3763064.30	0.07320	(12121724)			
447149.92	3763038.90	0.06502	(12121724)	447148.56	
3763019.78	0.05944	(12121724)			
447148.56	3762997.39	0.05413	(12121724)	447206.08	
3762958.49	0.05455	(12121724)			
447209.33	3762922.51	0.04942	(12121724)	447208.40	
3762890.70	0.04514	(12121724)			
447145.83	3762888.87	0.03709	(12121724)	447122.55	
3762889.07	0.03402	(12121724)			
447094.33	3762890.05	0.03145	(15010924)	447071.04	
3762890.45	0.03011	(15010924)			
447043.61	3762889.66	0.02973	(16122124)	447017.76	
3762888.87	0.03146	(15122224)			
446992.11	3762889.07	0.03439	(15122224)	446964.28	
3762888.28	0.03828	(15122224)			
446940.41	3762888.47	0.04250	(15122224)	446911.20	
3762888.08	0.04826	(15122224)			
446885.35	3762889.66	0.05402	(15122224)	446862.07	
3762888.87	0.05850	(15122224)			
446871.45	3762779.57	0.03657	(15122224)	446926.31	
3762768.72	0.03618	(15012624)			
446983.74	3762774.24	0.03550	(15012624)	447009.00	
3762774.05	0.03579	(14121224)			
447030.51	3762774.44	0.03634	(14121224)	447055.37	
3762774.05	0.03673	(14121224)			
447076.88	3762774.24	0.03675	(14121224)	447101.16	
3762774.44	0.03656	(14121224)			
447123.85	3762774.05	0.03644	(14121224)	447148.12	
3762775.03	0.03679	(13120424)			
447170.23	3762774.84	0.03751	(13120424)	447196.78	
3762775.48	0.03817	(13120424)			
447242.12	3762776.57	0.04047	(15012624)	447262.33	
3762776.03	0.04216	(15012624)			

447294.56	3762776.30	0.04527	(15012624)	447313.13
3762775.48	0.04758	(12121724)		
447313.40	3762749.53	0.05034	(15012624)	447327.86
3762713.09	0.05623	(15012624)		
447327.36	3762679.87	0.05882	(15012624)	447327.74
3762657.02	0.06200	(13120424)		
447327.28	3762636.82	0.06626	(13120424)	447327.51
3762612.90	0.07260	(13120424)		
447327.28	3762592.24	0.07881	(13120424)	447327.04
3762569.71	0.08634	(13120424)		
447327.28	3762547.89	0.09440	(13120424)	447326.58
3762524.67	0.10388	(13120424)		
447326.58	3762506.09	0.11415	(14121224)	447327.51
3762477.53	0.14028	(14121224)		
447325.88	3762454.31	0.17658	(14121224)	447225.58
3762432.95	0.20231	(14121224)		
447200.27	3762430.63	0.19355	(14121224)	447156.85
3762430.16	0.15293	(15012624)		
447131.77	3762430.86	0.13418	(15012624)	447102.74
3762430.63	0.11785	(15012624)		
447079.06	3762430.86	0.10666	(15012624)	447034.94
3762433.65	0.08875	(15012624)		
446995.47	3762433.65	0.07591	(15012624)	446972.71
3762434.34	0.06955	(15012624)		
446941.37	3762434.58	0.06255	(15012624)	446916.06
3762436.90	0.05751	(15012624)		
446876.35	3762436.90	0.05202	(15112724)	446848.85
3762647.05	0.04144	(15012624)		
446848.85	3762563.17	0.04408	(15012624)	446849.17
3762509.82	0.04526	(15012624)		
446849.17	3762455.82	0.04701	(15112724)	446848.85
3762702.00	0.03913	(15012624)		
446849.49	3762754.71	0.03618		
(15122224)				

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22
 *** AERMET - VERSION 16216 ***
 *** 16:36:41

PAGE 89

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM 10 IN MICROGRAMS/M**3 **


DATE

NETWORK

GROUP ID	AVERAGE CONC	DATE	RECEPTOR	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID	(YYMMDDHH)	(XR, YR,	

ALL HIGH 1ST HIGH VALUE IS 0.40935 ON 15122224: AT (446872.29, 3763190.26, 231.48, 231.48, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1628 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1278 Calm Hours Identified

A Total of 350 Missing Hours Identified (0.80 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 1332 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1332 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/14/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Cons PM25\14822 Cons PM25.ADI
**

**
**

** AERMOD Control Pathway

**
**

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2035210 San_Bernardino_County
POLLUTID PM_2.5
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Cons PM25.err"

CO FINISHED

**

** AERMOD Source Pathway

**
**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260
LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500

LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180
LOCATION PAREA1	AREAPOLY	446835.116	3764414.919	241.330
LOCATION PAREA2	AREAPOLY	446835.110	3763511.955	233.720
LOCATION PAREA3	AREAPOLY	447222.490	3762400.186	223.610
LOCATION PAREA4	AREAPOLY	447618.111	3762526.565	224.640

** Source Parameters **

SRCPARAM VOL1	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL2	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL3	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL4	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL5	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL6	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL7	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL8	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL9	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL10	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL11	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL12	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL13	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL14	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL15	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL16	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL17	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL18	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL19	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL20	0.0002789953	5.000	44.302	1.400

SRCPARAM	VOL21	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL22	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL23	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL24	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL25	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL26	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL27	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL28	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL29	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL30	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL31	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL32	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL33	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL34	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL35	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL36	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL37	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL38	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL39	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL40	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL41	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL42	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL43	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL44	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL45	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL46	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL47	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL48	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL49	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL50	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL51	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL52	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL53	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL54	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL55	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL56	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL57	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL58	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL59	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL60	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL61	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL62	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL63	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL64	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL65	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL66	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL67	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL68	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL69	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL70	0.0002789953	5.000	44.302	1.400
SRCPARAM	PAREA1	4.8914E-08	0.000	6	1.000
AREAVERT	PAREA1	446835.116	3764414.919	447234.398	3764418.582
AREAVERT	PAREA1	447230.735	3763903.910	447628.186	3763903.910
AREAVERT	PAREA1	447633.681	3763612.691	446829.621	3763607.196
SRCPARAM	PAREA2	4.8914E-08	0.000	4	1.000
AREAVERT	PAREA2	446835.110	3763511.955	447140.984	3763510.123
AREAVERT	PAREA2	447139.153	3763213.407	446836.942	3763204.249
SRCPARAM	PAREA3	4.8914E-08	0.000	4	1.000
AREAVERT	PAREA3	447222.490	3762400.186	447623.606	3762403.849
AREAVERT	PAREA3	447618.111	3761999.069	447216.995	3762002.733
SRCPARAM	PAREA4	4.8914E-08	0.000	4	1.000
AREAVERT	PAREA4	447618.111	3762526.565	448416.680	3762530.228
AREAVERT	PAREA4	448411.185	3762209.701	447625.437	3762206.038
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"


```

** Saturday:
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA2      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA3      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA4      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

```

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING
INCLUDED "14822 Cons PM25.rou"

RE FINISHED

```
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS
```

```
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
```

```
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14822 CONS PM25.AD\24H1GALL.PLT" 31
SUMMFILE "14822 Cons PM25.sum"
```

```
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM North American Datum 1983
** DTMRGN CONUS
** UNITS m
** ZONE 11
** ZONEINX 0
**
```

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/14/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Cons PM25\14822 Cons
PM25.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2035210 San_Bernardino_County
POLLUTID PM_2.5
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Cons PM25.err"

```

```

CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

```

LOCATION	VOL	VOLUME	X Coord.	Y Coord.	
LOCATION VOL1		VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2		VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3		VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4		VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5		VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6		VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7		VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8		VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9		VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10		VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11		VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12		VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13		VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14		VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15		VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16		VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17		VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18		VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19		VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20		VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21		VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22		VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23		VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24		VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25		VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26		VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27		VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28		VOLUME	447432.367	3762512.969	225.260

LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500
LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180
LOCATION PAREA1	AREAPOLY	446835.116	3764414.919	241.330
LOCATION PAREA2	AREAPOLY	446835.110	3763511.955	233.720
LOCATION PAREA3	AREAPOLY	447222.490	3762400.186	223.610
LOCATION PAREA4	AREAPOLY	447618.111	3762526.565	224.640

** Source Parameters **

SRCPARAM VOL1	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL2	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL3	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL4	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL5	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL6	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL7	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL8	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL9	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL10	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL11	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL12	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL13	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL14	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL15	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL16	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL17	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL18	0.0002789953	5.000	44.302	1.400
SRCPARAM VOL19	0.0002789953	5.000	44.302	1.400

SRCPARAM	VOL20	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL21	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL22	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL23	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL24	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL25	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL26	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL27	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL28	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL29	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL30	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL31	0.0002789953	5.000	44.302	1.400
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SRCPARAM	VOL34	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL35	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL36	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL37	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL38	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL39	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL40	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL41	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL42	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL43	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL44	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL45	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL46	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL47	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL48	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL49	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL50	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL51	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL52	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL53	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL54	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL55	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL56	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL57	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL58	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL59	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL60	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL61	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL62	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL63	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL64	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL65	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL66	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL67	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL68	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL69	0.0002789953	5.000	44.302	1.400
SRCPARAM	VOL70	0.0002789953	5.000	44.302	1.400
SRCPARAM	PAREA1	4.8914E-08	0.000	6	1.000
AREAVERT	PAREA1	446835.116	3764414.919	447234.398	3764418.582
AREAVERT	PAREA1	447230.735	3763903.910	447628.186	3763903.910
AREAVERT	PAREA1	447633.681	3763612.691	446829.621	3763607.196
SRCPARAM	PAREA2	4.8914E-08	0.000	4	1.000
AREAVERT	PAREA2	446835.110	3763511.955	447140.984	3763510.123
AREAVERT	PAREA2	447139.153	3763213.407	446836.942	3763204.249
SRCPARAM	PAREA3	4.8914E-08	0.000	4	1.000
AREAVERT	PAREA3	447222.490	3762400.186	447623.606	3762403.849
AREAVERT	PAREA3	447618.111	3761999.069	447216.995	3762002.733
SRCPARAM	PAREA4	4.8914E-08	0.000	4	1.000
AREAVERT	PAREA4	447618.111	3762526.565	448416.680	3762530.228
AREAVERT	PAREA4	448411.185	3762209.701	447625.437	3762206.038
URBANSRC	ALL				

```

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL1      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL2      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL3      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL4      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL5      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL5      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL5      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0

```



```

EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA2      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA3      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA4      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
INCLUDED "14822 Cons PM25.rou"

```


RE FINISHED

**

** AERMOD Meteorology Pathway

**
**

ME STARTING

SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING

RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14822 CONS PM25.AD\24H1GALL.PLT" 31
SUMMFILE "14822 Cons PM25.sum"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

ME W186 1332 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1332 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 1

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.

* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 74 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 74 Source(s); 1 Source Group(s); and 227 Receptor(s)
with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 70 VOLUME source(s)
and: 4 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 289.00 ; Decay Coef. =
0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 14822 Cons


PM25.err

**File for Summary of Results: 14822 Cons

PM25.sum

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VOL48	0	0.27900E-03	447112.8	3763304.2	231.8	5.00	44.30	1.40
YES HRDOW								
VOL49	0	0.27900E-03	446924.1	3763305.5	231.6	5.00	44.30	1.40
YES HRDOW								
VOL50	0	0.27900E-03	447533.0	3763469.0	233.5	5.00	44.30	1.40
YES HRDOW								
VOL51	0	0.27900E-03	447217.3	3763472.8	233.2	5.00	44.30	1.40
YES HRDOW								
VOL52	0	0.27900E-03	447088.9	3763471.6	233.0	5.00	44.30	1.40
YES HRDOW								
VOL53	0	0.27900E-03	446925.4	3763474.1	232.6	5.00	44.30	1.40
YES HRDOW								
VOL54	0	0.27900E-03	447361.9	3763470.3	233.5	5.00	44.30	1.40
YES HRDOW								
VOL55	0	0.27900E-03	447531.7	3763659.5	234.9	5.00	44.30	1.40
YES HRDOW								
VOL56	0	0.27900E-03	447533.5	3763806.8	235.6	5.00	44.30	1.40
YES HRDOW								
VOL57	0	0.27900E-03	447359.9	3763658.4	234.1	5.00	44.30	1.40
YES HRDOW								
VOL58	0	0.27900E-03	447219.0	3763657.1	234.1	5.00	44.30	1.40
YES HRDOW								
VOL59	0	0.27900E-03	447090.7	3763659.7	234.5	5.00	44.30	1.40
YES HRDOW								
VOL60	0	0.27900E-03	446930.9	3763659.7	234.2	5.00	44.30	1.40
YES HRDOW								
VOL61	0	0.27900E-03	447357.4	3763804.3	234.7	5.00	44.30	1.40
YES HRDOW								
VOL62	0	0.27900E-03	447219.0	3763804.3	234.9	5.00	44.30	1.40
YES HRDOW								
VOL63	0	0.27900E-03	447093.2	3763805.6	235.8	5.00	44.30	1.40
YES HRDOW								
VOL64	0	0.27900E-03	446932.2	3763805.6	235.5	5.00	44.30	1.40
YES HRDOW								
VOL65	0	0.27900E-03	447133.5	3763996.8	237.4	5.00	44.30	1.40
YES HRDOW								
VOL66	0	0.27900E-03	446943.5	3763996.8	237.4	5.00	44.30	1.40
YES HRDOW								
VOL67	0	0.27900E-03	447134.7	3764159.1	239.1	5.00	44.30	1.40
YES HRDOW								
VOL68	0	0.27900E-03	446944.8	3764159.1	240.0	5.00	44.30	1.40
YES HRDOW								
VOL69	0	0.27900E-03	447136.0	3764318.9	241.0	5.00	44.30	1.40
YES HRDOW								
VOL70	0	0.27900E-03	446944.8	3764317.6	240.2	5.00	44.30	1.40
YES HRDOW								

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 *** AERMET - VERSION 16216 ***
 *** *** 10:02:17

PAGE 4

*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE	LOCATION OF AREA		BASE	RELEASE	NUMBER	INIT.
SOURCE	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT	OF VERTS.	SZ
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)		
(METERS)		BY						

PAREA1	0	0.48914E-07	446835.1	3764414.9	241.3	0.00	6	1.00
YES HRDOW								
PAREA2	0	0.48914E-07	446835.1	3763512.0	233.7	0.00	4	1.00
YES HRDOW								
PAREA3	0	0.48914E-07	447222.5	3762400.2	223.6	0.00	4	1.00
YES HRDOW								
PAREA4	0	0.48914E-07	447618.1	3762526.6	224.6	0.00	4	1.00
YES HRDOW								

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*** AERMET - VERSION 16216 ***
 *** 10:02:17

PAGE 5

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs											
-----	-----											
ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,
	VOL47	,	VOL48	,								
	VOL49	,	VOL50	,	VOL51	,	VOL52	,	VOL53	,	VOL54	,
	VOL55	,	VOL56	,								
	VOL57	,	VOL58	,	VOL59	,	VOL60	,	VOL61	,	VOL62	,
	VOL63	,	VOL64	,								
	VOL65	,	VOL66	,	VOL67	,	VOL68	,	VOL69	,	VOL70	,
	PAREA1	,	PAREA2	,								
	PAREA3	,	PAREA4	,								

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*** AERMET - VERSION 16216 ***
 *** 10:02:17

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----

2035210. VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 ,
VOL8 ,
VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 ,
VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 ,
VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
VOL31 , VOL32 ,
VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,
VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
VOL55 , VOL56 ,
VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
VOL63 , VOL64 ,
VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,
PAREA1 , PAREA2 ,
PAREA3 , PAREA4 ,

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 7

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

PAGE 8

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

PAGE 9

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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10:02:17

PAGE 10

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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10:02:17

PAGE 11

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 10:02:17

PAGE 12

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 10:02:17

PAGE 13

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 10:02:17

PAGE 14

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/14/22
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 10:02:17

PAGE 17

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 10:02:17

PAGE 18

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 10:02:17

PAGE 19

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 20

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

10:02:17

PAGE 21

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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10:02:17

PAGE 22

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

10:02:17

PAGE 23

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

10:02:17

PAGE 26

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

10:02:17

PAGE 27

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 28

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 29

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/14/22

*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 30

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/14/22

*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 31

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 32

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22

.0000E+00 23 .0000E+00 24 .0000E+00
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Haven\AQIA\14822 Ops *** 10/14/22
*** AERMET - VERSION 16216 ***
*** 10:02:17

PAGE 33

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 10:02:17

PAGE 34

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** *** 10:02:17

PAGE 35

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** *** 10:02:17

PAGE 36

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

10:02:17

PAGE 37

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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10:02:17

PAGE 38

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

HRAS
Haven\AQIA\14822 Ops ***

HRAS	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar
------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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10/14/22
*** AERMET - VERSION 16216 ***
*** 10:02:17

PAGE 39

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :

Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar
------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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10/14/22
*** AERMET - VERSION 16216 ***
*** 10:02:17

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

10:02:17

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/14/22
*** AERMET - VERSION 16216 ***
*** 10:02:17

PAGE 42

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/14/22
*** AERMET - VERSION 16216 ***
*** 10:02:17

PAGE 43

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 44

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 45

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

10:02:17

PAGE 46

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

10:02:17

PAGE 47

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

10:02:17

PAGE 48

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 49

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 50

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 51

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 52

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/14/22

*** AERMET - VERSION 16216 ***

10:02:17

PAGE 53

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :

Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour
SCALAR Hour SCALAR Hour SCALAR Hour

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/14/22

*** AERMET - VERSION 16216 ***

10:02:17

PAGE 54

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :

Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour
SCALAR Hour SCALAR Hour SCALAR Hour

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 55

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 56

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL50, showing hours 1-24 and their corresponding scalar values.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for source VOL50 on weekdays (Days 1-24).

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for source VOL50 on Saturdays (Days 1-24).

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for source VOL50 on Sundays (Days 1-24).

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 57

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL51, showing hours 1-24 and their corresponding scalar values.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for source VOL51 on weekdays (Days 1-24).

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for source VOL51 on Saturdays (Days 1-24).

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for source VOL51 on Sundays (Days 1-24).

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 58

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 10:02:17

PAGE 59

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 60

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 61

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 62

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL56 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 63

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL57 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 64

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL58 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL59 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Sunday.

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL60 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 1 row of scalar values for Sunday.

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 10:02:17

PAGE 67

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL61 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 10:02:17

PAGE 68

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 10:02:17

PAGE 69

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL63 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 10:02:17

PAGE 70

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL64 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/14/22

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*** 10:02:17

PAGE 71

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL65 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 10:02:17

PAGE 72

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL66 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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10:02:17

PAGE 73

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL67 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

PAGE 74

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL68 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

PAGE 75

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL69 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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10:02:17

PAGE 76

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL70 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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10:02:17

PAGE 77

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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10:02:17

PAGE 78

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = PAREA2 ; SOURCE TYPE = AREAPOLY :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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10:02:17

PAGE 79

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = PAREA3 ; SOURCE TYPE = AREAPOLY :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/14/22
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*** 10:02:17

PAGE 80

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = PAREA4 ; SOURCE TYPE = AREAPOLY :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/14/22
*** AERMET - VERSION 16216 ***
*** 10:02:17

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(447362.2, 3764292.7,	240.7,	240.7,	2.0);	(447376.0, 3764151.0,
239.6, 239.6,	2.0);			
(447389.8, 3764043.0,	237.8,	237.8,	2.0);	(447450.2, 3764031.0,
237.5, 237.5,	2.0);			
(447410.2, 3764019.0,	237.5,	237.5,	2.0);	(446891.9, 3764451.2,
241.5, 241.5,	2.0);			
(446959.3, 3764451.2,	241.5,	241.5,	2.0);	(446995.3, 3764468.1,
241.8, 241.8,	2.0);			
(447007.4, 3764467.3,	241.9,	241.9,	2.0);	(447023.5, 3764466.1,
241.9, 241.9,	2.0);			
(447036.6, 3764466.2,	241.9,	241.9,	2.0);	(447052.7, 3764465.6,
242.0, 242.0,	2.0);			
(447066.6, 3764465.7,	242.1,	242.1,	2.0);	(447099.6, 3764456.2,
242.1, 242.1,	2.0);			
(447145.3, 3764468.3,	242.1,	242.1,	2.0);	(447175.5, 3764468.0,
241.7, 241.7,	2.0);			
(447205.3, 3764468.3,	241.3,	241.3,	2.0);	(447232.4, 3764467.5,
242.0, 242.0,	2.0);			
(447264.0, 3764467.3,	243.3,	243.3,	2.0);	(447294.8, 3764466.9,
243.8, 243.8,	2.0);			
(447365.0, 3764456.4,	243.3,	243.3,	2.0);	(447406.6, 3764460.6,
243.1, 243.1,	2.0);			
(447441.5, 3764460.0,	243.2,	243.2,	2.0);	(447466.9, 3764460.2,
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(447490.0, 3764460.6,	242.9,	242.9,	2.0);	(447515.5, 3764460.4,
242.6, 242.6,	2.0);			
(447573.1, 3764454.3,	241.6,	241.6,	2.0);	(447598.5, 3764445.2,
241.8, 241.8,	2.0);			
(447652.9, 3764439.7,	243.1,	243.1,	2.0);	(447692.9, 3764439.5,
243.1, 243.1,	2.0);			
(447713.8, 3764439.1,	243.1,	243.1,	2.0);	(447732.0, 3764438.7,
243.2, 243.2,	2.0);			
(447751.1, 3764438.7,	243.3,	243.3,	2.0);	(447768.8, 3764437.5,
243.4, 243.4,	2.0);			
(447789.1, 3764437.7,	243.7,	243.7,	2.0);	(447805.7, 3764437.3,
243.8, 243.8,	2.0);			
(447824.0, 3764437.2,	243.9,	243.9,	2.0);	(447841.6, 3764437.9,
243.9, 243.9,	2.0);			
(447861.7, 3764437.5,	243.9,	243.9,	2.0);	(447881.7, 3764435.2,
243.8, 243.8,	2.0);			
(447902.8, 3764436.2,	243.8,	243.8,	2.0);	(447920.9, 3764435.3,
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(447681.3, 3764321.0,	243.4,	243.4,	2.0);	(447682.6, 3764285.8,
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237.5,      237.5,      2.0);
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237.3,      237.3,      2.0);
( 447656.2, 3763834.9,      237.4,      237.4,      2.0);
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237.7,      237.7,      2.0);
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236.0,      236.0,      2.0);
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235.4,      235.4,      2.0);
( 447675.5, 3763287.5,      232.0,      232.0,      2.0);
235.6,      235.6,      2.0);
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229.4,      229.4,      2.0);
( 448497.9, 3762714.1,      228.1,      228.1,      2.0);
225.8,      225.8,      2.0);
( 448480.5, 3762358.0,      224.8,      224.8,      2.0);
224.6,      224.6,      2.0);
( 448464.5, 3762265.9,      223.3,      223.3,      2.0);
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( 448234.6, 3761951.2,      220.0,      220.0,      2.0);
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( 448025.5, 3761956.0,      221.0,      221.0,      2.0);
220.0,      220.0,      2.0);

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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/14/22

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*** AERMET - VERSION 16216 ***
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*** 10:02:17

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PAGE 82

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 446975.3, 3761963.2,      219.0,      219.0,      2.0);
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( 446796.7, 3762089.5,      221.0,      221.0,      2.0);
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( 446796.7, 3762137.3,      221.0,      221.0,      2.0);
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( 446772.4, 3762215.4,      221.6,      221.6,      2.0);
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( 446797.2, 3762496.0,      224.9,      224.9,      2.0);
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( 446797.8, 3762540.0,      225.7,      225.7,      2.0);
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( 446797.0, 3762045.3,
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( 446796.1, 3762153.4,
( 446795.1, 3762321.0,
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( 446798.1, 3762516.5,
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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/14/22
*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 83

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(446871.5, 3762779.6, 228.6, 228.6, 2.0);	(446926.3, 3762768.7, 228.6, 228.6, 2.0);
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(447030.5, 3762774.4, 228.2, 228.2, 2.0);	(447055.4, 3762774.0, 228.0, 228.0, 2.0);
(447076.9, 3762774.2, 228.1, 228.1, 2.0);	(447101.2, 3762774.4, 228.3, 228.3, 2.0);
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(447313.4, 3762749.5, 228.3, 228.3, 2.0);	(447327.9, 3762713.1, 228.1, 228.1, 2.0);
(447327.4, 3762679.9, 227.5, 227.5, 2.0);	(447327.7, 3762657.0, 227.2, 227.2, 2.0);
(447327.3, 3762636.8, 226.9, 226.9, 2.0);	(447327.5, 3762612.9, 226.4, 226.4, 2.0);
(447327.3, 3762592.2, 226.2, 226.2, 2.0);	(447327.0, 3762569.7, 226.0, 226.0, 2.0);
(447327.3, 3762547.9, 225.8, 225.8, 2.0);	(447326.6, 3762524.7, 225.5, 225.5, 2.0);
(447326.6, 3762506.1, 225.4, 225.4, 2.0);	(447327.5, 3762477.5, 224.9, 224.9, 2.0);
(447325.9, 3762454.3, 224.5, 224.5, 2.0);	(447225.6, 3762432.9, 224.1, 224.1, 2.0);
(447200.3, 3762430.6, 223.9, 223.9, 2.0);	(447156.8, 3762430.2, 223.7, 223.7, 2.0);
(447131.8, 3762430.9, 223.6, 223.6, 2.0);	(447102.7, 3762430.6, 223.4, 223.4, 2.0);
(447079.1, 3762430.9, 223.1, 223.1, 2.0);	(447034.9, 3762433.6, 223.1, 223.1, 2.0);
(446995.5, 3762433.6, 223.1, 223.1, 2.0);	(446972.7, 3762434.3, 223.2, 223.2, 2.0);
(446941.4, 3762434.6, 223.5, 223.5, 2.0);	(446916.1, 3762436.9, 223.7, 223.7, 2.0);
(446876.3, 3762436.9, 223.7, 223.7, 2.0);	(446848.8, 3762647.0, 227.4, 227.4, 2.0);
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(446849.5, 3762754.7, 228.7, 228.7, 2.0);	

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/14/22
*** AERMET - VERSION 16216 ***

*** 10:02:17

34.	7.9	285.4	2.0											
12 01 01	1 03	-17.8	0.182	-9.000	-9.000	-999.	187.	36.5	0.09	1.12	1.00	2.15		
24.	7.9	282.0	2.0											
12 01 01	1 04	-9.4	0.128	-9.000	-9.000	-999.	110.	19.6	0.09	1.12	1.00	1.55		
41.	7.9	283.1	2.0											
12 01 01	1 05	-16.9	0.173	-9.000	-9.000	-999.	173.	33.0	0.09	1.12	1.00	2.05		
39.	7.9	280.4	2.0											
12 01 01	1 06	-8.0	0.117	-9.000	-9.000	-999.	97.	17.8	0.09	1.12	1.00	1.43		
21.	7.9	282.0	2.0											
12 01 01	1 07	-7.6	0.115	-9.000	-9.000	-999.	93.	17.4	0.09	1.12	1.00	1.40		
31.	7.9	282.5	2.0											
12 01 01	1 08	-13.6	0.184	-9.000	-9.000	-999.	190.	40.5	0.09	1.12	0.54	2.16		
34.	7.9	284.2	2.0											
12 01 01	1 09	28.4	0.126	0.300	0.011	33.	108.	-6.2	0.09	1.12	0.32	1.03		
29.	7.9	289.2	2.0											
12 01 01	1 10	79.8	0.133	0.607	0.010	99.	116.	-2.6	0.09	1.12	0.25	0.94		
173.	7.9	292.5	2.0											
12 01 01	1 11	115.8	0.137	0.932	0.006	246.	121.	-2.0	0.09	1.12	0.22	0.92		
172.	7.9	295.4	2.0											
12 01 01	1 12	133.7	0.139	1.197	0.005	453.	125.	-1.8	0.09	1.12	0.21	0.92		
146.	7.9	297.5	2.0											
12 01 01	1 13	133.2	0.160	1.354	0.005	657.	153.	-2.7	0.09	1.12	0.21	1.14		
117.	7.9	299.9	2.0											
12 01 01	1 14	113.5	0.159	1.454	0.005	955.	151.	-3.1	0.09	1.12	0.23	1.16		
285.	7.9	300.9	2.0											
12 01 01	1 15	76.2	0.166	1.350	0.005	1138.	163.	-5.3	0.09	1.12	0.26	1.33		
72.	7.9	302.0	2.0											
12 01 01	1 16	23.5	0.175	0.925	0.005	1183.	175.	-19.9	0.09	1.12	0.35	1.65		
107.	7.9	301.4	2.0											
12 01 01	1 17	-6.1	0.107	-9.000	-9.000	-999.	86.	18.0	0.09	1.12	0.63	1.31		
107.	7.9	298.1	2.0											
12 01 01	1 18	-11.1	0.141	-9.000	-9.000	-999.	127.	22.1	0.09	1.12	1.00	1.69		
86.	7.9	293.1	2.0											
12 01 01	1 19	-3.2	0.076	-9.000	-9.000	-999.	51.	11.8	0.09	1.12	1.00	0.91		
64.	7.9	292.0	2.0											
12 01 01	1 20	-2.3	0.066	-9.000	-9.000	-999.	41.	11.2	0.09	1.12	1.00	0.74		
73.	7.9	288.8	2.0											
12 01 01	1 21	-10.0	0.133	-9.000	-9.000	-999.	116.	20.5	0.09	1.12	1.00	1.60		
14.	7.9	288.1	2.0											
12 01 01	1 22	-19.4	0.201	-9.000	-9.000	-999.	216.	44.5	0.09	1.12	1.00	2.36		
22.	7.9	287.5	2.0											
12 01 01	1 23	-23.7	0.246	-9.000	-9.000	-999.	293.	66.5	0.09	1.12	1.00	2.86		
40.	7.9	287.0	2.0											
12 01 01	1 24	-12.3	0.147	-9.000	-9.000	-999.	139.	23.8	0.09	1.12	1.00	1.76		
40.	7.9	283.8	2.0											

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	43.	2.03	286.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/14/22

*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 86

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	VOL1	, VOL2	,	
	VOL3	, VOL4	, VOL5	,	
VOL6	, VOL7	, VOL8	, VOL9	, VOL10	,
VOL11	, VOL12	, VOL13	,		

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	0.06414	(14111124)	447375.98	
3764150.98	0.06081	(14111124)			
447389.75	3764043.04	0.06257c	(12101124)	447450.16	
3764031.05	0.06123c	(12101124)			
447410.18	3764019.05	0.06738c	(12101124)	446891.90	
3764451.22	0.08079	(14121224)			
446959.28	3764451.22	0.09212c	(13012824)	446995.28	
3764468.13	0.07700c	(13012824)			
447007.41	3764467.30	0.07895c	(13012824)	447023.51	
3764466.09	0.08158c	(13012824)			
447036.59	3764466.21	0.08248c	(13012824)	447052.68	
3764465.61	0.08404c	(13012824)			
447066.60	3764465.73	0.08459c	(13012824)	447099.65	
3764456.17	0.09665c	(13012824)			
447145.28	3764468.27	0.08269c	(13012824)	447175.54	
3764468.03	0.08255c	(12101124)			
447205.32	3764468.27	0.08213	(13020824)	447232.43	
3764467.55	0.08094	(13020824)			
447264.02	3764467.30	0.06999	(13020824)	447294.77	
3764466.94	0.06190c	(12120524)			
447364.97	3764456.41	0.04943c	(12120524)	447406.61	
3764460.65	0.04249c	(12120524)			
447441.47	3764460.04	0.03826c	(12120524)	447466.88	
3764460.20	0.03571c	(12120524)			
447490.00	3764460.56	0.03371c	(12120524)	447515.50	
3764460.40	0.03180c	(12120524)			
447573.06	3764454.29	0.02838c	(12120524)	447598.49	
3764445.22	0.02711c	(12120524)			
447652.90	3764439.70	0.02467c	(12120524)	447692.92	
3764439.51	0.02345c	(12011024)			
447713.82	3764439.11	0.02290c	(12011024)	447731.95	
3764438.72	0.02243c	(12011024)			
447751.07	3764438.72	0.02194c	(12011024)	447768.82	
3764437.53	0.02152c	(12011024)			
447789.12	3764437.73	0.02099c	(12011024)	447805.68	
3764437.34	0.02059c	(12011024)			
447824.02	3764437.20	0.02014c	(12011024)	447841.61	
3764437.87	0.01970c	(12011024)			
447861.72	3764437.53	0.01922c	(12011024)	447881.66	
3764435.18	0.01876c	(12011024)			
447902.78	3764436.19	0.01821c	(12011024)	447920.87	
3764435.35	0.01775c	(12011024)			
447942.16	3764435.35	0.01718c	(12011024)	447962.77	
3764434.85	0.01690c	(13111224)			
447980.70	3764435.18	0.01669c	(13111224)	448004.66	
3764435.18	0.01640c	(13111224)			
448021.25	3764434.68	0.01621c	(13111224)	447662.70	
3764379.63	0.02622c	(12011024)			
447681.30	3764320.98	0.02654c	(12011024)	447682.64	
3764285.79	0.02713c	(12011024)			
447662.53	3764238.37	0.02899c	(12011024)	447661.70	
3764207.37	0.02993c	(12011024)			

447683.14	3764162.29	0.03051c	(12011024)	447680.97
3764145.87	0.03130c	(12011024)		
447679.63	3764130.28	0.03211c	(12011024)	447680.80
3764112.02	0.03315c	(12120524)		
447681.47	3764096.43	0.03472c	(12120524)	447680.80
3764078.84	0.03683c	(12120524)		
447679.96	3764064.26	0.03888c	(12120524)	447680.97
3764045.82	0.04183c	(12120524)		
447680.63	3764029.74	0.04496c	(12120524)	447657.17
3763992.03	0.05726c	(12120524)		
447656.33	3763967.06	0.06822c	(12120524)	447657.17
3763928.69	0.09447c	(12120524)		
447657.17	3763902.21	0.12915	(13112024)	447657.51
3763869.03	0.15052	(14111124)		
447656.16	3763834.94	0.15829	(14111124)	447655.93
3763808.27	0.15917	(14111124)		
447657.09	3763786.00	0.15523	(14111124)	447701.21
3763782.14	0.10381b	(12123124)		
447856.92	3763749.71	0.04787b	(12123124)	447854.99
3763730.13	0.04691b	(12123124)		
447854.35	3763698.35	0.04392b	(12123124)	447855.31
3763676.84	0.04108b	(12123124)		
447675.51	3763287.46	0.03469	(12121724)	448481.33
3763485.29	0.01368c	(12122124)		
448479.95	3763195.53	0.01601c	(12122124)	448478.56
3762907.16	0.02424	(14010724)		
448497.89	3762714.10	0.03637c	(12120524)	448507.91
3762487.71	0.09183	(13112024)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/14/22

*** AERMET - VERSION 16216 ***

*** 10:02:17

PAGE 87

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	0.10774b	(12123124)	448462.73	
3762339.82	0.12299b	(12123124)			
448464.47	3762265.93	0.10872b	(12123124)	448461.57	
3762165.17	0.07188	(12012424)			
448472.57	3762064.71	0.04458c	(15012824)	448460.48	
3762016.72	0.03955c	(15012824)			
448234.63	3761951.18	0.03711c	(15012824)	448081.42	
3761952.78	0.03835c	(15012824)			
448025.53	3761955.99	0.04012c	(15012824)	447506.75	
3761967.63	0.11204	(15122224)			

447269.29	3761967.74	0.12535	(15122224)	447389.46
3761908.79	0.07500	(15122224)		
447019.14	3761964.34	0.03808	(15122224)	447060.33
3761963.58	0.04569	(15122224)		
446975.31	3761963.20	0.03244m	(15123124)	446940.92
3761953.76	0.02948m	(15123124)		
446865.72	3761974.54	0.02885m	(15123124)	446795.06
3761957.91	0.02490m	(15123124)		
446757.65	3761965.85	0.02420m	(15123124)	446709.33
3761967.74	0.02258m	(15123124)		
446796.42	3762028.62	0.02977m	(15123124)	446796.97
3762045.28	0.03108c	(14123024)		
446796.70	3762089.51	0.03316c	(14123024)	446796.15
3762105.89	0.03322c	(14123024)		
446796.70	3762137.29	0.03300c	(14123024)	446796.15
3762153.39	0.03259c	(14123024)		
446772.40	3762215.37	0.02774	(16102424)	446795.06
3762321.03	0.02736	(16102424)		
446796.42	3762450.98	0.02071	(15012624)	446796.42
3762471.18	0.02009	(15012624)		
446797.24	3762496.03	0.01946	(15012624)	446798.06
3762516.51	0.01901	(15012624)		
446797.79	3762539.98	0.01851	(15012624)	446797.52
3762560.19	0.01813	(15012624)		
446798.61	3762584.76	0.01774	(15012624)	446798.06
3762604.42	0.01740	(15012624)		
446799.70	3762654.11	0.01669	(15012624)	446799.97
3762674.58	0.01640	(15012624)		
446800.25	3762700.25	0.01602	(15012624)	446800.25
3762721.27	0.01653	(15122224)		
446799.97	3762735.74	0.01726	(15122224)	446797.79
3762748.02	0.01800	(15122224)		
446802.16	3762913.47	0.03094	(15122224)	446802.16
3762932.58	0.03312	(15122224)		
446802.43	3762949.24	0.03517	(15122224)	446802.98
3762967.26	0.03756	(15122224)		
446802.70	3762986.09	0.04032	(15122224)	446802.16
3763003.29	0.04307	(15122224)		
446802.16	3763021.86	0.04634	(15122224)	446802.70
3763040.70	0.05007	(15122224)		
446802.98	3763059.26	0.05427	(15122224)	446803.52
3763077.01	0.05891	(15122224)		
446756.29	3763085.26	0.05494	(15122224)	446807.68
3763646.39	0.13467	(15122224)		
446808.32	3763674.66	0.13461	(15122224)	446807.68
3763694.57	0.13238	(15122224)		
446808.32	3763710.63	0.13274	(15122224)	446808.32
3763726.37	0.13188	(15122224)		
446808.00	3763742.11	0.13034	(15122224)	446808.32
3763756.89	0.13020	(15122224)		
446808.64	3763798.32	0.12845	(15122224)	446810.25
3764484.08	0.05695	(16092024)		
446781.34	3764475.08	0.05387	(14121224)	446722.56
3764455.81	0.04556	(15012624)		
446170.32	3764559.79	0.01327	(15012624)	446872.29
3763190.26	0.16087	(15122224)		
446925.22	3763179.19	0.12662	(15122224)	446984.86
3763194.88	0.14995	(15122224)		
447010.56	3763193.28	0.13716	(15122224)	447036.58
3763193.60	0.12869	(15122224)		
447053.61	3763193.28	0.12009	(15122224)	447076.42
3763192.31	0.10386	(15122224)		
447093.45	3763192.63	0.10032b	(16012724)	447122.05
3763192.63	0.10268c	(15012824)		
447138.75	3763192.31	0.10162c	(15012824)	447167.99
3763192.31	0.07951c	(15012824)		

447170.68 3763172.18 0.06404 (12121724) 447170.41
 3763158.25 0.05863 (12121724)
 447169.31 3763144.87 0.05379 (12121724) 447147.46
 3763107.45 0.04060 (12121724)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/14/22
 *** AERMET - VERSION 16216 ***
 *** 10:02:17

PAGE 88

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*


*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	0.03547	(12121724)	447146.92	
3763064.30	0.03203	(12121724)			
447149.92	3763038.90	0.02872	(12121724)	447148.56	
3763019.78	0.02639	(12121724)			
447148.56	3762997.39	0.02418	(12121724)	447206.08	
3762958.49	0.02538	(12121724)			
447209.33	3762922.51	0.02327	(12121724)	447208.40	
3762890.70	0.02129	(12121724)			
447145.83	3762888.87	0.01690	(12121724)	447122.55	
3762889.07	0.01545	(12121724)			
447094.33	3762890.05	0.01424	(15122224)	447071.04	
3762890.45	0.01455	(15122224)			
447043.61	3762889.66	0.01502	(15122224)	447017.76	
3762888.87	0.01564	(15122224)			
446992.11	3762889.07	0.01654	(15122224)	446964.28	
3762888.28	0.01783	(15122224)			
446940.41	3762888.47	0.01929	(15122224)	446911.20	
3762888.08	0.02132	(15122224)			
446885.35	3762889.66	0.02339	(15122224)	446862.07	
3762888.87	0.02498	(15122224)			
446871.45	3762779.57	0.01645	(15122224)	446926.31	
3762768.72	0.01594	(15012624)			
446983.74	3762774.24	0.01589	(15012624)	447009.00	
3762774.05	0.01596	(15012624)			
447030.51	3762774.44	0.01618	(14121224)	447055.37	
3762774.05	0.01646	(14121224)			
447076.88	3762774.24	0.01661	(14121224)	447101.16	
3762774.44	0.01672	(14121224)			
447123.85	3762774.05	0.01689	(15012624)	447148.12	
3762775.03	0.01727	(15012624)			
447170.23	3762774.84	0.01777	(15012624)	447196.78	
3762775.48	0.01853	(15012624)			
447242.12	3762776.57	0.02042	(15012624)	447262.33	
3762776.03	0.02159	(15012624)			

447294.56	3762776.30	0.02378	(15012624)	447313.13
3762775.48	0.02532	(15012624)		
447313.40	3762749.53	0.02666	(15012624)	447327.86
3762713.09	0.02953	(15012624)		
447327.36	3762679.87	0.02957	(15012624)	447327.74
3762657.02	0.03002	(13120424)		
447327.28	3762636.82	0.03171	(14121224)	447327.51
3762612.90	0.03491	(14121224)		
447327.28	3762592.24	0.03809	(14121224)	447327.04
3762569.71	0.04165	(14121224)		
447327.28	3762547.89	0.04511	(14121224)	447326.58
3762524.67	0.04878	(14121224)		
447326.58	3762506.09	0.05253	(14121224)	447327.51
3762477.53	0.06198	(14121224)		
447325.88	3762454.31	0.07552	(14121224)	447225.58
3762432.95	0.08609	(14121224)		
447200.27	3762430.63	0.08272	(14121224)	447156.85
3762430.16	0.06430	(15012624)		
447131.77	3762430.86	0.05742	(15012624)	447102.74
3762430.63	0.05184	(15012624)		
447079.06	3762430.86	0.04790	(15012624)	447034.94
3762433.65	0.04098	(15012624)		
446995.47	3762433.65	0.03584	(15012624)	446972.71
3762434.34	0.03326	(15012624)		
446941.37	3762434.58	0.03086	(15012624)	446916.06
3762436.90	0.02896	(15012624)		
446876.35	3762436.90	0.02660	(15012624)	446848.85
3762647.05	0.01821	(15012624)		
446848.85	3762563.17	0.01999	(15012624)	446849.17
3762509.82	0.02140	(15012624)		
446849.17	3762455.82	0.02361	(15012624)	446848.85
3762702.00	0.01706	(15012624)		
446849.49	3762754.71	0.01618	(15122224)	

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 *** AERMET - VERSION 16216 ***
 *** 10:02:17

PAGE 89

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM 2.5 IN MICROGRAMS/M**3 **


DATE

NETWORK

GROUP ID	AVERAGE CONC	DATE	RECEPTOR	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID	(YYMMDDHH)	(XR, YR,	

ALL HIGH 1ST HIGH VALUE IS 0.16087 ON 15122224: AT (446872.29, 3763190.26, 231.48, 231.48, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/14/22

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1628 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1278 Calm Hours Identified

A Total of 350 Missing Hours Identified (0.80 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 1332 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1332 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

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APPENDIX 5.6:

AERMOD LST MODELING OUTPUTS - OPERATION

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops CO\14822 Ops CO.ADI
**

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** AERMOD Control Pathway

**
**
CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 1 8
URBANOPT 2035210 San_Bernardino_County
POLLUTID CO
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Ops CO.err"

CO FINISHED
**

** AERMOD Source Pathway

**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260
LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500
LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440

LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

** Source Parameters **

SRCPARAM VOL1	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL2	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL3	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL4	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL5	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL6	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL7	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL8	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL9	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL10	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL11	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL12	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL13	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL14	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL15	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL16	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL17	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL18	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL19	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL20	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL21	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL22	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL23	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL24	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL25	0.1385976686	5.000	44.302	1.400

SRCPARAM VOL26	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL27	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL28	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL29	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL30	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL31	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL32	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL33	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL34	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL35	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL36	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL37	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL38	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL39	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL40	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL41	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL42	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL43	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL44	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL45	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL46	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL47	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL48	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL49	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL50	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL51	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL52	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL53	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL54	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL55	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL56	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL57	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL58	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL59	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL60	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL61	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL62	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL63	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL64	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL65	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL66	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL67	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL68	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL69	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL70	0.1385976686	5.000	44.302	1.400

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

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** AERMOD Receptor Pathway

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RE STARTING
INCLUDED "14822 Ops CO.rou"

RE FINISHED
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** AERMOD Meteorology Pathway

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ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL

SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

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**

OU STARTING

RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
RECTABLE 8 1ST

** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14822 Ops CO.AD\01H1GALL.PLT" 31
PLOTFILE 8 ALL 1ST "14822 Ops CO.AD\08H1GALL.PLT" 32
SUMMFILE "14822 Ops CO.sum"

OU FINISHED

**

** Project Parameters

** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM North American Datum 1983
** DTMRGN CONUS
** UNITS m
** ZONE 11
** ZONEINX 0
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** Lakes Environmental AERMOD MPI
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** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops CO\14822 Ops CO.ADI
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*****
** AERMOD Control Pathway
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CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 1 8
URBANOPT 2035210 San_Bernardino_County
POLLUTID CO
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Ops CO.err"

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CO FINISHED

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**
*****
** AERMOD Source Pathway
*****

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SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260
LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500

LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

** Source Parameters **

SRCPARAM VOL1	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL2	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL3	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL4	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL5	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL6	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL7	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL8	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL9	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL10	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL11	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL12	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL13	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL14	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL15	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL16	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL17	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL18	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL19	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL20	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL21	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL22	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL23	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL24	0.1385976686	5.000	44.302	1.400

SRCPARAM VOL25	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL26	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL27	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL28	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL29	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL30	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL31	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL32	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL33	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL34	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL35	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL36	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL37	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL38	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL39	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL40	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL41	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL42	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL43	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL44	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL45	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL46	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL47	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL48	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL49	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL50	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL51	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL52	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL53	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL54	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL55	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL56	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL57	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL58	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL59	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL60	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL61	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL62	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL63	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL64	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL65	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL66	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL67	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL68	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL69	0.1385976686	5.000	44.302	1.400
SRCPARAM VOL70	0.1385976686	5.000	44.302	1.400

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "14822 Ops CO.rou"

RE FINISHED
**

** AERMOD Meteorology Pathway

**
**

ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC

PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

OU STARTING

RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
RECTABLE 8 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "14822 Ops CO.AD\01H1GALL.PLT" 31
PLOTFILE 8 ALL 1ST "14822 Ops CO.AD\08H1GALL.PLT" 32
SUMMFILE "14822 Ops CO.sum"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

ME W186 202 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 202 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:19:28

PAGE 1

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	EMISSION RATE	RATE	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ
SOURCE ID (METERS)	SCALAR VARY CATS.		X (METERS)	Y (METERS)	(METERS)	(METERS)	(METERS)	
VOL1	0	0.13860E+00	447959.2	3762097.7	222.0	5.00	44.30	1.40
YES								
VOL2	0	0.13860E+00	448134.4	3762098.8	222.4	5.00	44.30	1.40
YES								
VOL3	0	0.13860E+00	447790.3	3762102.9	221.9	5.00	44.30	1.40
YES								
VOL4	0	0.13860E+00	447618.2	3762098.8	221.0	5.00	44.30	1.40
YES								
VOL5	0	0.13860E+00	447446.1	3762100.8	221.0	5.00	44.30	1.40
YES								
VOL6	0	0.13860E+00	447276.1	3762094.7	220.0	5.00	44.30	1.40
YES								
VOL7	0	0.13860E+00	447099.9	3762094.7	219.6	5.00	44.30	1.40
YES								
VOL8	0	0.13860E+00	446929.9	3762096.7	220.0	5.00	44.30	1.40
YES								
VOL9	0	0.13860E+00	448310.5	3762107.0	222.0	5.00	44.30	1.40
YES								
VOL10	0	0.13860E+00	446926.7	3762209.8	221.3	5.00	44.30	1.40
YES								
VOL11	0	0.13860E+00	446924.1	3762324.3	222.2	5.00	44.30	1.40
YES								
VOL12	0	0.13860E+00	447100.3	3762207.3	221.0	5.00	44.30	1.40
YES								
VOL13	0	0.13860E+00	447276.4	3762207.3	221.9	5.00	44.30	1.40
YES								
VOL14	0	0.13860E+00	447447.5	3762207.3	222.0	5.00	44.30	1.40
YES								
VOL15	0	0.13860E+00	447616.0	3762206.0	222.0	5.00	44.30	1.40
YES								
VOL16	0	0.13860E+00	447807.2	3762206.0	222.6	5.00	44.30	1.40
YES								
VOL17	0	0.13860E+00	447959.5	3762206.0	223.0	5.00	44.30	1.40
YES								
VOL18	0	0.13860E+00	448138.1	3762203.5	222.6	5.00	44.30	1.40
YES								
VOL19	0	0.13860E+00	448313.0	3762202.2	222.6	5.00	44.30	1.40
YES								
VOL20	0	0.13860E+00	447100.3	3762325.5	222.0	5.00	44.30	1.40
YES								
VOL21	0	0.13860E+00	447276.4	3762324.3	222.9	5.00	44.30	1.40
YES								
VOL22	0	0.13860E+00	447448.7	3762324.3	222.7	5.00	44.30	1.40
YES								
VOL23	0	0.13860E+00	447616.0	3762326.8	222.7	5.00	44.30	1.40
YES								
VOL24	0	0.13860E+00	447789.6	3762328.0	223.7	5.00	44.30	1.40
YES								
VOL25	0	0.13860E+00	447960.7	3762326.8	224.2	5.00	44.30	1.40
YES								
VOL26	0	0.13860E+00	448135.6	3762328.0	224.5	5.00	44.30	1.40
YES								
VOL27	0	0.13860E+00	448318.0	3762330.6	224.8	5.00	44.30	1.40
YES								
VOL28	0	0.13860E+00	447432.4	3762513.0	225.3	5.00	44.30	1.40

YES								
VOL29	0	0.13860E+00	447621.1	3762513.0	224.5	5.00	44.30	1.40
YES								
VOL30	0	0.13860E+00	447811.0	3762515.5	225.4	5.00	44.30	1.40
YES								
VOL31	0	0.13860E+00	447999.7	3762515.5	225.9	5.00	44.30	1.40
YES								
VOL32	0	0.13860E+00	448189.7	3762514.2	225.7	5.00	44.30	1.40
YES								
VOL33	0	0.13860E+00	448315.5	3762516.7	226.2	5.00	44.30	1.40
YES								
VOL34	0	0.13860E+00	448316.7	3762709.2	227.4	5.00	44.30	1.40
YES								
VOL35	0	0.13860E+00	448189.7	3762708.0	226.4	5.00	44.30	1.40
YES								
VOL36	0	0.13860E+00	448001.0	3762706.7	227.4	5.00	44.30	1.40
YES								
VOL37	0	0.13860E+00	447811.0	3762706.7	227.0	5.00	44.30	1.40
YES								
VOL38	0	0.13860E+00	447621.1	3762704.2	226.6	5.00	44.30	1.40
YES								
VOL39	0	0.13860E+00	447433.6	3762704.2	227.3	5.00	44.30	1.40
YES								
VOL40	0	0.13860E+00	447524.2	3762897.9	228.4	5.00	44.30	1.40
YES								

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*** 15:19:28

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PAGE 3

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.	
SOURCE	PART.	URBAN	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	CATS.	BY							
VOL41	0	0.13860E+00	447329.2	3762897.9	228.7	5.00	44.30	1.40	
YES									
VOL42	0	0.13860E+00	447304.1	3763089.1	231.3	5.00	44.30	1.40	
YES									
VOL43	0	0.13860E+00	447533.0	3763086.6	231.2	5.00	44.30	1.40	
YES									
VOL44	0	0.13860E+00	447433.6	3763086.6	231.2	5.00	44.30	1.40	
YES									
VOL45	0	0.13860E+00	447530.5	3763277.8	232.5	5.00	44.30	1.40	
YES									
VOL46	0	0.13860E+00	447305.3	3763281.6	232.2	5.00	44.30	1.40	
YES									
VOL47	0	0.13860E+00	447419.8	3763282.9	232.6	5.00	44.30	1.40	
YES									
VOL48	0	0.13860E+00	447112.8	3763304.2	231.8	5.00	44.30	1.40	
YES									
VOL49	0	0.13860E+00	446924.1	3763305.5	231.6	5.00	44.30	1.40	
YES									
VOL50	0	0.13860E+00	447533.0	3763469.0	233.5	5.00	44.30	1.40	
YES									
VOL51	0	0.13860E+00	447217.3	3763472.8	233.2	5.00	44.30	1.40	

VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,
VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
VOL55 , VOL56 ,
VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
VOL63 , VOL64 ,
VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,

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*** 15:19:28

PAGE 5

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
VOL8	2035210. VOL6	VOL1 , VOL7	, VOL2	, VOL3	, VOL4	, VOL5	,
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,
	VOL31	, VOL32	,				
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	,
	VOL39	, VOL40	,				
	VOL41	, VOL42	, VOL43	, VOL44	, VOL45	, VOL46	,
	VOL47	, VOL48	,				
	VOL49	, VOL50	, VOL51	, VOL52	, VOL53	, VOL54	,
	VOL55	, VOL56	,				
	VOL57	, VOL58	, VOL59	, VOL60	, VOL61	, VOL62	,
	VOL63	, VOL64	,				
	VOL65	, VOL66	, VOL67	, VOL68	, VOL69	, VOL70	,

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*** 15:19:28

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(447362.2, 3764292.7, 240.7, 240.7, 2.0); (447376.0, 3764151.0,
239.6, 239.6, 2.0);
(447389.8, 3764043.0, 237.8, 237.8, 2.0); (447450.2, 3764031.0,
237.5, 237.5, 2.0);
(447410.2, 3764019.0, 237.5, 237.5, 2.0); (446891.9, 3764451.2,
241.5, 241.5, 2.0);
(446959.3, 3764451.2, 241.5, 241.5, 2.0); (446995.3, 3764468.1,
241.8, 241.8, 2.0);
(447007.4, 3764467.3, 241.9, 241.9, 2.0); (447023.5, 3764466.1,
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(447036.6, 3764466.2, 241.9, 241.9, 2.0); (447052.7, 3764465.6,
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(447066.6, 3764465.7, 242.1, 242.1, 2.0); (447099.6, 3764456.2,
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(447145.3, 3764468.3, 242.1, 242.1, 2.0); (447175.5, 3764468.0,
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(447205.3, 3764468.3, 241.3, 241.3, 2.0); (447232.4, 3764467.5,
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(447441.5, 3764460.0, 243.2, 243.2, 2.0); (447466.9, 3764460.2,
243.2, 243.2, 2.0);
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(447902.8, 3764436.2, 243.8, 243.8, 2.0); (447920.9, 3764435.3,
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243.8, 243.8, 2.0);
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(447683.1, 3764162.3, 239.1, 239.1, 2.0); (447681.0, 3764145.9,
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(447657.2, 3763902.2, 237.6, 237.6, 2.0); (447657.5, 3763869.0,
237.3, 237.3, 2.0);

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( 447657.1, 3763786.0, 237.6, 237.6, 2.0); ( 447701.2, 3763782.1,
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( 447856.9, 3763749.7, 236.2, 236.2, 2.0); ( 447855.0, 3763730.1,
236.0, 236.0, 2.0);
( 447854.3, 3763698.3, 235.6, 235.6, 2.0); ( 447855.3, 3763676.8,
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( 447675.5, 3763287.5, 232.0, 232.0, 2.0); ( 448481.3, 3763485.3,
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( 448480.0, 3763195.5, 232.0, 232.0, 2.0); ( 448478.6, 3762907.2,
229.4, 229.4, 2.0);
( 448497.9, 3762714.1, 228.1, 228.1, 2.0); ( 448507.9, 3762487.7,
225.8, 225.8, 2.0);
( 448480.5, 3762358.0, 224.8, 224.8, 2.0); ( 448462.7, 3762339.8,
224.6, 224.6, 2.0);
( 448464.5, 3762265.9, 223.3, 223.3, 2.0); ( 448461.6, 3762165.2,
222.0, 222.0, 2.0);
( 448472.6, 3762064.7, 220.0, 220.0, 2.0); ( 448460.5, 3762016.7,
219.4, 219.4, 2.0);
( 448234.6, 3761951.2, 220.0, 220.0, 2.0); ( 448081.4, 3761952.8,
220.9, 220.9, 2.0);
( 448025.5, 3761956.0, 221.0, 221.0, 2.0); ( 447506.8, 3761967.6,
220.0, 220.0, 2.0);

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*** 15:19:28

PAGE 7

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 447269.3, 3761967.7, 219.7, 219.7, 2.0); ( 447389.5, 3761908.8,
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( 446975.3, 3761963.2, 219.0, 219.0, 2.0); ( 446940.9, 3761953.8,
219.0, 219.0, 2.0);
( 446865.7, 3761974.5, 219.9, 219.9, 2.0); ( 446795.1, 3761957.9,
220.0, 220.0, 2.0);
( 446757.6, 3761965.8, 220.0, 220.0, 2.0); ( 446709.3, 3761967.7,
220.0, 220.0, 2.0);
( 446796.4, 3762028.6, 220.0, 220.0, 2.0); ( 446797.0, 3762045.3,
220.1, 220.1, 2.0);
( 446796.7, 3762089.5, 221.0, 221.0, 2.0); ( 446796.1, 3762105.9,
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( 446796.7, 3762137.3, 221.0, 221.0, 2.0); ( 446796.1, 3762153.4,
221.0, 221.0, 2.0);
( 446772.4, 3762215.4, 221.6, 221.6, 2.0); ( 446795.1, 3762321.0,
222.0, 222.0, 2.0);
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( 446797.2, 3762496.0, 224.9, 224.9, 2.0); ( 446798.1, 3762516.5,
225.3, 225.3, 2.0);
( 446797.8, 3762540.0, 225.7, 225.7, 2.0); ( 446797.5, 3762560.2,
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( 446798.6, 3762584.8, 226.1, 226.1, 2.0); ( 446798.1, 3762604.4,
226.5, 226.5, 2.0);
( 446799.7, 3762654.1, 227.5, 227.5, 2.0); ( 446800.0, 3762674.6,
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(446800.0, 3762735.7, 228.6, 228.6, 2.0);	(446797.8, 3762748.0, 228.6, 228.6, 2.0);
(446802.2, 3762913.5, 228.3, 228.3, 2.0);	(446802.2, 3762932.6, 228.3, 228.3, 2.0);
(446802.4, 3762949.2, 228.3, 228.3, 2.0);	(446803.0, 3762967.3, 228.3, 228.3, 2.0);
(446802.7, 3762986.1, 228.4, 228.4, 2.0);	(446802.2, 3763003.3, 228.6, 228.6, 2.0);
(446802.2, 3763021.9, 228.8, 228.8, 2.0);	(446802.7, 3763040.7, 229.0, 229.0, 2.0);
(446803.0, 3763059.3, 229.2, 229.2, 2.0);	(446803.5, 3763077.0, 229.3, 229.3, 2.0);
(446756.3, 3763085.3, 228.7, 228.7, 2.0);	(446807.7, 3763646.4, 234.6, 234.6, 2.0);
(446808.3, 3763674.7, 234.8, 234.8, 2.0);	(446807.7, 3763694.6, 234.9, 234.9, 2.0);
(446808.3, 3763710.6, 235.0, 235.0, 2.0);	(446808.3, 3763726.4, 235.0, 235.0, 2.0);
(446808.0, 3763742.1, 235.0, 235.0, 2.0);	(446808.3, 3763756.9, 235.0, 235.0, 2.0);
(446808.6, 3763798.3, 235.3, 235.3, 2.0);	(446810.2, 3764484.1, 241.7, 241.7, 2.0);
(446781.3, 3764475.1, 241.7, 241.7, 2.0);	(446722.6, 3764455.8, 241.4, 241.4, 2.0);
(446170.3, 3764559.8, 242.5, 242.5, 2.0);	(446872.3, 3763190.3, 231.5, 231.5, 2.0);
(446925.2, 3763179.2, 231.6, 231.6, 2.0);	(446984.9, 3763194.9, 231.4, 231.4, 2.0);
(447010.6, 3763193.3, 231.7, 231.7, 2.0);	(447036.6, 3763193.6, 231.7, 231.7, 2.0);
(447053.6, 3763193.3, 231.7, 231.7, 2.0);	(447076.4, 3763192.3, 231.8, 231.8, 2.0);
(447093.5, 3763192.6, 231.9, 231.9, 2.0);	(447122.0, 3763192.6, 231.7, 231.7, 2.0);
(447138.8, 3763192.3, 231.7, 231.7, 2.0);	(447168.0, 3763192.3, 231.6, 231.6, 2.0);
(447170.7, 3763172.2, 231.4, 231.4, 2.0);	(447170.4, 3763158.2, 231.2, 231.2, 2.0);
(447169.3, 3763144.9, 231.2, 231.2, 2.0);	(447147.5, 3763107.4, 231.5, 231.5, 2.0);
(447146.6, 3763084.2, 231.4, 231.4, 2.0);	(447146.9, 3763064.3, 231.1, 231.1, 2.0);
(447149.9, 3763038.9, 230.8, 230.8, 2.0);	(447148.6, 3763019.8, 230.6, 230.6, 2.0);
(447148.6, 3762997.4, 230.2, 230.2, 2.0);	(447206.1, 3762958.5, 229.5, 229.5, 2.0);
(447209.3, 3762922.5, 229.1, 229.1, 2.0);	(447208.4, 3762890.7, 228.9, 228.9, 2.0);
(447145.8, 3762888.9, 228.9, 228.9, 2.0);	(447122.5, 3762889.1, 228.9, 228.9, 2.0);
(447094.3, 3762890.0, 228.9, 228.9, 2.0);	(447071.0, 3762890.4, 229.0, 229.0, 2.0);
(447043.6, 3762889.7, 228.9, 228.9, 2.0);	(447017.8, 3762888.9, 228.9, 228.9, 2.0);
(446992.1, 3762889.1, 228.9, 228.9, 2.0);	(446964.3, 3762888.3, 228.9, 228.9, 2.0);
(446940.4, 3762888.5, 228.8, 228.8, 2.0);	(446911.2, 3762888.1, 228.6, 228.6, 2.0);
(446885.3, 3762889.7, 228.6, 228.6, 2.0);	(446862.1, 3762888.9, 228.6, 228.6, 2.0);

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*** AERMET - VERSION 16216 ***

*** 15:19:28

12	01	01	1	06	-8.0	0.117	-9.000	-9.000	-999.	97.	17.8	0.09	1.12	1.00	1.43
21.			7.9	282.0	2.0										
12	01	01	1	07	-7.6	0.115	-9.000	-9.000	-999.	93.	17.4	0.09	1.12	1.00	1.40
31.			7.9	282.5	2.0										
12	01	01	1	08	-13.6	0.184	-9.000	-9.000	-999.	190.	40.5	0.09	1.12	0.54	2.16
34.			7.9	284.2	2.0										
12	01	01	1	09	28.4	0.126	0.300	0.011	33.	108.	-6.2	0.09	1.12	0.32	1.03
29.			7.9	289.2	2.0										
12	01	01	1	10	79.8	0.133	0.607	0.010	99.	116.	-2.6	0.09	1.12	0.25	0.94
173.			7.9	292.5	2.0										
12	01	01	1	11	115.8	0.137	0.932	0.006	246.	121.	-2.0	0.09	1.12	0.22	0.92
172.			7.9	295.4	2.0										
12	01	01	1	12	133.7	0.139	1.197	0.005	453.	125.	-1.8	0.09	1.12	0.21	0.92
146.			7.9	297.5	2.0										
12	01	01	1	13	133.2	0.160	1.354	0.005	657.	153.	-2.7	0.09	1.12	0.21	1.14
117.			7.9	299.9	2.0										
12	01	01	1	14	113.5	0.159	1.454	0.005	955.	151.	-3.1	0.09	1.12	0.23	1.16
285.			7.9	300.9	2.0										
12	01	01	1	15	76.2	0.166	1.350	0.005	1138.	163.	-5.3	0.09	1.12	0.26	1.33
72.			7.9	302.0	2.0										
12	01	01	1	16	23.5	0.175	0.925	0.005	1183.	175.	-19.9	0.09	1.12	0.35	1.65
107.			7.9	301.4	2.0										
12	01	01	1	17	-6.1	0.107	-9.000	-9.000	-999.	86.	18.0	0.09	1.12	0.63	1.31
107.			7.9	298.1	2.0										
12	01	01	1	18	-11.1	0.141	-9.000	-9.000	-999.	127.	22.1	0.09	1.12	1.00	1.69
86.			7.9	293.1	2.0										
12	01	01	1	19	-3.2	0.076	-9.000	-9.000	-999.	51.	11.8	0.09	1.12	1.00	0.91
64.			7.9	292.0	2.0										
12	01	01	1	20	-2.3	0.066	-9.000	-9.000	-999.	41.	11.2	0.09	1.12	1.00	0.74
73.			7.9	288.8	2.0										
12	01	01	1	21	-10.0	0.133	-9.000	-9.000	-999.	116.	20.5	0.09	1.12	1.00	1.60
14.			7.9	288.1	2.0										
12	01	01	1	22	-19.4	0.201	-9.000	-9.000	-999.	216.	44.5	0.09	1.12	1.00	2.36
22.			7.9	287.5	2.0										
12	01	01	1	23	-23.7	0.246	-9.000	-9.000	-999.	293.	66.5	0.09	1.12	1.00	2.86
40.			7.9	287.0	2.0										
12	01	01	1	24	-12.3	0.147	-9.000	-9.000	-999.	139.	23.8	0.09	1.12	1.00	1.76
40.			7.9	283.8	2.0										

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	43.	2.03	286.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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*** AERMET - VERSION 16216 ***

*** 15:19:28

PAGE 11

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	VOL1	, VOL2	,	
	VOL3	, VOL4	, VOL5	,	
VOL6	, VOL7	, VOL8	, VOL9	, VOL10	,
VOL11	, VOL12	, VOL13	,		
VOL14	, VOL15	, VOL16	, VOL17	, VOL18	,
VOL19	, VOL20	, VOL21	,		
VOL22	, VOL23	, VOL24	, VOL25	, VOL26	,
VOL27	, VOL28	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO
MICROGRAMS/M**3

IN

**

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	109.81186	(15083004)	447375.98	
3764150.98	122.61611	(15083004)			
447389.75	3764043.04	130.39555	(12082822)	447450.16	
3764031.05	112.56495	(12082822)			
447410.18	3764019.05	120.14995	(12082822)	446891.90	
3764451.22	131.75125	(12080801)			
446959.28	3764451.22	132.15253	(15072504)	446995.28	
3764468.13	126.53051	(16102921)			
447007.41	3764467.30	126.54834	(16102921)	447023.51	
3764466.09	126.35874	(16102921)			
447036.59	3764466.21	125.95340	(16102921)	447052.68	
3764465.61	125.74093	(14080503)			
447066.60	3764465.73	125.81679	(15032722)	447099.65	
3764456.17	135.93943	(15032722)			
447145.28	3764468.27	127.35792	(16072222)	447175.54	
3764468.03	115.70277	(16072222)			
447205.32	3764468.27	109.42366	(16062805)	447232.43	
3764467.55	106.29042	(16062805)			
447264.02	3764467.30	103.97322	(13090206)	447294.77	
3764466.94	101.25223	(13090206)			
447364.97	3764456.41	95.89765	(15083004)	447406.61	
3764460.65	93.81526	(12082822)			
447441.47	3764460.04	91.39830	(12082822)	447466.88	
3764460.20	90.36638	(12080905)			
447490.00	3764460.56	89.43210	(12080905)	447515.50	
3764460.40	87.33124	(12080905)			
447573.06	3764454.29	83.82317	(12080824)	447598.49	
3764445.22	82.53506	(12080824)			
447652.90	3764439.70	80.64245	(16102922)	447692.92	
3764439.51	77.87853	(16072903)			
447713.82	3764439.11	76.78818	(12080823)	447731.95	
3764438.72	75.56969	(12080823)			
447751.07	3764438.72	74.13589	(12080823)	447768.82	
3764437.53	72.89904	(16062624)			
447789.12	3764437.73	71.68540	(16062624)	447805.68	
3764437.34	70.40223	(16062624)			
447824.02	3764437.20	69.13635	(16072205)	447841.61	
3764437.87	68.04098	(13090302)			
447861.72	3764437.53	66.70332	(13090302)	447881.66	
3764435.18	65.24384	(13090302)			
447902.78	3764436.19	63.55709	(13090302)	447920.87	
3764435.35	62.06110	(13090302)			
447942.16	3764435.35	60.56334	(15080603)	447962.77	
3764434.85	59.25787	(15092823)			
447980.70	3764435.18	58.13080	(15092823)	448004.66	
3764435.18	56.44222	(15092823)			
448021.25	3764434.68	55.20134	(15062204)	447662.70	
3764379.63	83.04637	(14070405)			
447681.30	3764320.98	84.95661	(12080823)	447682.64	
3764285.79	86.32262	(12080823)			
447662.53	3764238.37	89.63528	(12080823)	447661.70	
3764207.37	91.03862	(12080823)			
447683.14	3764162.29	89.07054	(12080823)	447680.97	
3764145.87	89.70223	(12080823)			
447679.63	3764130.28	83.98864	(12080823)	447680.80	
3764112.02	79.62772	(15092321)			
447681.47	3764096.43	80.70886	(15092321)	447680.80	
3764078.84	82.00409	(15092321)			
447679.96	3764064.26	83.13016	(15092321)	447680.97	

3764045.82	84.43958	(15092321)		
447680.63	3764029.74	85.79166	(15092321)	447657.17
3763992.03	91.83226	(15092321)		
447656.33	3763967.06	94.78817	(15092321)	447657.17
3763928.69	99.04589	(15092321)		
447657.17	3763902.21	101.96426	(12080823)	447657.51
3763869.03	106.29354	(12080823)		
447656.16	3763834.94	111.40078	(12080823)	447655.93
3763808.27	114.84262	(12080823)		
447657.09	3763786.00	116.44130	(16062624)	447701.21
3763782.14	102.23208	(13090302)		
447856.92	3763749.71	74.16392	(12090824)	447854.99
3763730.13	75.02461	(12090824)		
447854.35	3763698.35	75.64756	(12090824)	447855.31
3763676.84	73.30721	(15080603)		
447675.51	3763287.46	106.93988	(14100622)	448481.33
3763485.29	56.94282	(12081401)		
448479.95	3763195.53	67.72912	(12081204)	448478.56
3762907.16	88.16813	(16081422)		
448497.89	3762714.10	90.66749	(12090723)	448507.91
3762487.71	90.25167	(15100920)		

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*** AERMET - VERSION 16216 ***

*** 15:19:28

PAGE 12

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	94.37629	(12081723)	448462.73	
3762339.82	100.39291	(12081723)			
448464.47	3762265.93	98.86386	(12090422)	448461.57	
3762165.17	100.57910	(12110518)			
448472.57	3762064.71	87.77752	(15090823)	448460.48	
3762016.72	84.20960	(14091123)			
448234.63	3761951.18	107.53350	(12121716)	448081.42	
3761952.78	109.89483	(12121716)			
448025.53	3761955.99	122.37817	(12121716)	447506.75	
3761967.63	99.20005	(12101522)			
447269.29	3761967.74	96.53953	(14091523)	447389.46	
3761908.79	83.78398	(14091523)			
447019.14	3761964.34	84.93680	(15101221)	447060.33	
3761963.58	85.86088	(15010618)			
446975.31	3761963.20	82.53125	(15101221)	446940.92	
3761953.76	78.48898	(15101221)			
446865.72	3761974.54	83.05201	(15100919)	446795.06	

3761957.91	73.95304	(15100919)		
446757.65	3761965.85	72.59463	(15100919)	446709.33
3761967.74	68.28228	(15100919)		
446796.42	3762028.62	89.87754	(15100919)	446796.97
3762045.28	93.13638	(14051602)		
446796.70	3762089.51	101.11159	(14051523)	446796.15
3762105.89	102.57254	(14051523)		
446796.70	3762137.29	103.65242	(14051523)	446796.15
3762153.39	104.24767	(16021518)		
446772.40	3762215.37	97.68633	(16021518)	446795.06
3762321.03	99.07985	(15090905)		
446796.42	3762450.98	68.24949	(16110920)	446796.42
3762471.18	71.60771	(15082702)		
446797.24	3762496.03	68.38676	(15082702)	446798.06
3762516.51	83.16149	(14091702)		
446797.79	3762539.98	79.26229	(14091702)	446797.52
3762560.19	76.38167	(15090724)		
446798.61	3762584.76	77.25320	(14091421)	446798.06
3762604.42	75.74610	(14091421)		
446799.70	3762654.11	74.10537	(12081505)	446799.97
3762674.58	73.35950	(15032721)		
446800.25	3762700.25	74.87717	(12081505)	446800.25
3762721.27	74.00772	(12081505)		
446799.97	3762735.74	73.25993	(12081505)	446797.79
3762748.02	72.56995	(12081505)		
446802.16	3762913.47	67.35058	(12091002)	446802.16
3762932.58	67.05067	(12091002)		
446802.43	3762949.24	66.78851	(12091002)	446802.98
3762967.26	66.54908	(16122017)		
446802.70	3762986.09	66.61217	(16122017)	446802.16
3763003.29	67.66497	(16122017)		
446802.16	3763021.86	68.16333	(16122017)	446802.70
3763040.70	69.06040	(16122017)		
446802.98	3763059.26	69.66525	(16122017)	446803.52
3763077.01	70.46903	(15081403)		
446756.29	3763085.26	65.95166	(15081403)	446807.68
3763646.39	116.75536	(13062901)		
446808.32	3763674.66	117.34731	(13062901)	446807.68
3763694.57	122.32588	(13062901)		
446808.32	3763710.63	122.14684	(13062901)	446808.32
3763726.37	121.59690	(13062901)		
446808.00	3763742.11	120.73765	(13062901)	446808.32
3763756.89	120.11743	(13062901)		
446808.64	3763798.32	121.84024	(13082922)	446810.25
3764484.08	118.61585	(15082605)		
446781.34	3764475.08	117.29522	(15082605)	446722.56
3764455.81	112.79135	(13090723)		
446170.32	3764559.79	72.41901	(15090724)	446872.29
3763190.26	95.58771	(15081403)		
446925.22	3763179.19	101.41828	(15081403)	446984.86
3763194.88	108.25762	(16092001)		
447010.56	3763193.28	112.45933	(15081403)	447036.58
3763193.60	115.27054	(15081403)		
447053.61	3763193.28	117.63114	(16092001)	447076.42
3763192.31	128.83382	(16092001)		
447093.45	3763192.63	131.79543	(16092001)	447122.05
3763192.63	127.21895	(16092001)		
447138.75	3763192.31	128.84454	(16092001)	447167.99
3763192.31	132.11115	(12081704)		
447170.68	3763172.18	125.64029	(15090920)	447170.41
3763158.25	123.52445	(12081704)		
447169.31	3763144.87	122.17891	(12081704)	447147.46
3763107.45	118.50315	(16092001)		

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	114.75685	(16092001)	447146.92	
3763064.30	113.52456	(16092001)			
447149.92	3763038.90	112.17600	(16092001)	447148.56	
3763019.78	110.92346	(15081403)			
447148.56	3762997.39	103.17182	(14091702)	447206.08	
3762958.49	109.57261	(14091702)			
447209.33	3762922.51	109.79533	(14091702)	447208.40	
3762890.70	107.99726	(14091702)			
447145.83	3762888.87	96.26970	(15081403)	447122.55	
3762889.07	93.34920	(15081403)			
447094.33	3762890.05	90.19194	(15081403)	447071.04	
3762890.45	87.78154	(15081403)			
447043.61	3762889.66	85.03334	(15081403)	447017.76	
3762888.87	82.88788	(16122017)			
446992.11	3762889.07	81.20327	(12091002)	446964.28	
3762888.28	79.37447	(12091002)			
446940.41	3762888.47	77.31448	(12091002)	446911.20	
3762888.08	74.99074	(12091002)			
446885.35	3762889.66	73.45148	(12091002)	446862.07	
3762888.87	72.07238	(12091002)			
446871.45	3762779.57	74.57343	(15032721)	446926.31	
3762768.72	78.05202	(16090703)			
446983.74	3762774.24	81.65217	(12091002)	447009.00	
3762774.05	83.54181	(12091002)			
447030.51	3762774.44	78.08548	(12091002)	447055.37	
3762774.05	79.30782	(12091002)			
447076.88	3762774.24	80.92588	(12091002)	447101.16	
3762774.44	90.41094	(12091002)			
447123.85	3762774.05	92.50504	(12091002)	447148.12	
3762775.03	95.65344	(15081403)			
447170.23	3762774.84	99.20647	(15081403)	447196.78	
3762775.48	102.93001	(15081403)			
447242.12	3762776.57	109.97686	(15081403)	447262.33	
3762776.03	112.41784	(16092001)			
447294.56	3762776.30	117.85471	(12081704)	447313.13	
3762775.48	121.32077	(12081704)			
447313.40	3762749.53	121.26628	(12081704)	447327.86	
3762713.09	121.60585	(14091702)			
447327.36	3762679.87	112.33168	(14091702)	447327.74	
3762657.02	111.82841	(14091701)			
447327.28	3762636.82	111.08293	(14091701)	447327.51	

3762612.90	110.92878	(14091701)		
447327.28	3762592.24	112.02011	(14091701)	447327.04
3762569.71	114.15765	(14091701)		
447327.28	3762547.89	118.81184	(12081704)	447326.58
3762524.67	118.60166	(12081103)		
447326.58	3762506.09	120.16718	(12081103)	447327.51
3762477.53	123.56510	(12062806)		
447325.88	3762454.31	126.37504	(12062806)	447225.58
3762432.95	115.12074	(12062806)		
447200.27	3762430.63	112.41457	(12062806)	447156.85
3762430.16	109.08969	(12062806)		
447131.77	3762430.86	107.81288	(12062806)	447102.74
3762430.63	106.21182	(12062806)		
447079.06	3762430.86	103.43884	(12062806)	447034.94
3762433.65	95.75003	(12062806)		
446995.47	3762433.65	91.30887	(12062806)	446972.71
3762434.34	89.22468	(12062806)		
446941.37	3762434.58	86.38901	(12062806)	446916.06
3762436.90	81.98303	(12062806)		
446876.35	3762436.90	78.55265	(14091620)	446848.85
3762647.05	75.56058	(15032721)		
446848.85	3762563.17	80.62113	(14091421)	446849.17
3762509.82	81.54723	(14091421)		
446849.17	3762455.82	77.80385	(12092322)	446848.85
3762702.00	76.84470	(12081505)		
446849.49	3762754.71	74.64021		
	(12081505)			

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:19:28

PAGE 14

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	59.23797	(14021808)	447375.98	
3764150.98	68.66992	(14021808)			
447389.75	3764043.04	76.31658c	(13061708)	447450.16	
3764031.05	70.28845c	(13061708)			
447410.18	3764019.05	75.11869	(14021808)	446891.90	
3764451.22	77.02360c	(12091708)			
446959.28	3764451.22	79.41497c	(12091708)	446995.28	
3764468.13	74.61038c	(12091708)			
447007.41	3764467.30	74.39406c	(12091708)	447023.51	
3764466.09	73.97513c	(12091708)			
447036.59	3764466.21	73.42530c	(12091708)	447052.68	

3764465.61	73.22255	(14021808)	
447066.60	3764465.73	73.97211	(14021808) 447099.65
3764456.17	80.05933	(14021808)	
447145.28	3764468.27	75.06008	(14021808) 447175.54
3764468.03	69.35128	(14021808)	
447205.32	3764468.27	64.12656	(14021808) 447232.43
3764467.55	59.86191	(14021808)	
447264.02	3764467.30	56.78475	(12022508) 447294.77
3764466.94	53.93223	(12022508)	
447364.97	3764456.41	49.73130	(12022508) 447406.61
3764460.65	47.86986	(12022508)	
447441.47	3764460.04	46.55170	(12022508) 447466.88
3764460.20	45.87747	(12022508)	
447490.00	3764460.56	45.06872	(12022508) 447515.50
3764460.40	44.22666	(12022508)	
447573.06	3764454.29	42.23797	(12022508) 447598.49
3764445.22	41.66139	(12022508)	
447652.90	3764439.70	39.79726	(12022508) 447692.92
3764439.51	38.78423c	(12032908)	
447713.82	3764439.11	38.58791	(12012108) 447731.95
3764438.72	38.44061c	(12032908)	
447751.07	3764438.72	38.07856	(12012108) 447768.82
3764437.53	37.86359	(12012108)	
447789.12	3764437.73	37.50768	(12012108) 447805.68
3764437.34	37.16301	(12012108)	
447824.02	3764437.20	36.70739	(12012108) 447841.61
3764437.87	36.18907	(12012108)	
447861.72	3764437.53	35.55437	(12012108) 447881.66
3764435.18	34.89847	(12012108)	
447902.78	3764436.19	34.09848	(12012108) 447920.87
3764435.35	33.40597	(12012108)	
447942.16	3764435.35	32.55238	(12012108) 447962.77
3764434.85	32.00360c	(14080408)	
447980.70	3764435.18	31.63550c	(14080408) 448004.66
3764435.18	31.06950c	(14080408)	
448021.25	3764434.68	30.70612c	(14080408) 447662.70
3764379.63	42.35054c	(12032908)	
447681.30	3764320.98	44.18884c	(12032908) 447682.64
3764285.79	44.84535c	(12032908)	
447662.53	3764238.37	47.37485	(12012108) 447661.70
3764207.37	49.13525	(12012108)	
447683.14	3764162.29	50.20923	(12012108) 447680.97
3764145.87	51.13499	(12012108)	
447679.63	3764130.28	49.24640	(12012108) 447680.80
3764112.02	48.33439	(12012108)	
447681.47	3764096.43	48.91732	(12012108) 447680.80
3764078.84	50.04255	(12012108)	
447679.96	3764064.26	50.96374	(12012108) 447680.97
3764045.82	52.07006	(12012108)	
447680.63	3764029.74	53.15705	(12012108) 447657.17
3763992.03	58.30786c	(12032908)	
447656.33	3763967.06	61.71633c	(12032908) 447657.17
3763928.69	67.58084c	(12032908)	
447657.17	3763902.21	72.94193c	(12032908) 447657.51
3763869.03	77.51205c	(12032908)	
447656.16	3763834.94	82.35548c	(12032908) 447655.93
3763808.27	84.56969c	(12032908)	
447657.09	3763786.00	85.76201c	(12032908) 447701.21
3763782.14	74.28419c	(12032908)	
447856.92	3763749.71	49.58694	(12012108) 447854.99
3763730.13	50.26368	(12012108)	
447854.35	3763698.35	50.86272	(12012108) 447855.31
3763676.84	50.58929	(12012108)	
447675.51	3763287.46	81.12686	(12012108) 448481.33
3763485.29	35.44341c	(14080408)	
448479.95	3763195.53	45.74293c	(14080408) 448478.56

3762907.16 59.45686 (12120208)
 448497.89 3762714.10 71.47102 (14120524) 448507.91
 3762487.71 73.83828 (16121124)

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22
 *** AERMET - VERSION 16216 ***
 *** 15:19:28

PAGE 15

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	79.90776	(13020608)	448462.73	
3762339.82	85.05600	(13020608)			
448464.47	3762265.93	81.20762c	(13041208)	448461.57	
3762165.17	77.77191	(12111524)			
448472.57	3762064.71	72.25976	(15112908)	448460.48	
3762016.72	72.01207	(15112908)			
448234.63	3761951.18	74.61165	(15112908)	448081.42	
3761952.78	76.15970	(14011608)			
448025.53	3761955.99	79.81308	(15123108)	447506.75	
3761967.63	84.40788	(13012008)			
447269.29	3761967.74	85.65306	(16122908)	447389.46	
3761908.79	70.08118	(16122908)			
447019.14	3761964.34	77.72489	(12121624)	447060.33	
3761963.58	79.49844	(12121624)			
446975.31	3761963.20	74.97960	(12121624)	446940.92	
3761953.76	72.24636	(12121624)			
446865.72	3761974.54	74.58862	(12121624)	446795.06	
3761957.91	60.60063	(12121624)			
446757.65	3761965.85	56.07721	(13012308)	446709.33	
3761967.74	51.81744	(14121608)			
446796.42	3762028.62	73.88786	(14121608)	446796.97	
3762045.28	78.56574	(14121608)			
446796.70	3762089.51	86.80291	(14121608)	446796.15	
3762105.89	88.10960	(14121608)			
446796.70	3762137.29	89.31504	(14121608)	446796.15	
3762153.39	89.12897	(14121608)			
446772.40	3762215.37	78.71197	(14121608)	446795.06	
3762321.03	72.48595	(16010724)			
446796.42	3762450.98	51.21876	(16123108)	446796.42	
3762471.18	53.25305	(16123108)			
446797.24	3762496.03	51.26530	(12102408)	446798.06	
3762516.51	58.48601	(16123108)			
446797.79	3762539.98	57.13775	(16123108)	446797.52	
3762560.19	56.90189	(16123108)			
446798.61	3762584.76	56.64340	(16123108)	446798.06	

3762604.42	54.96457	(16123108)		
446799.70	3762654.11	54.04573	(16123108)	446799.97
3762674.58	53.34616	(16123108)		
446800.25	3762700.25	54.14337	(16123108)	446800.25
3762721.27	53.02042	(16123108)		
446799.97	3762735.74	52.20326	(16123108)	446797.79
3762748.02	51.49381	(16123108)		
446802.16	3762913.47	45.94730	(12102408)	446802.16
3762932.58	45.91848	(12102408)		
446802.43	3762949.24	45.94452	(12102408)	446802.98
3762967.26	46.02559	(12102408)		
446802.70	3762986.09	46.19994	(12102408)	446802.16
3763003.29	46.53787	(12102408)		
446802.16	3763021.86	46.92701	(12102408)	446802.70
3763040.70	47.42401	(12102408)		
446802.98	3763059.26	48.24469	(16123108)	446803.52
3763077.01	48.77646	(16123108)		
446756.29	3763085.26	45.49485	(12102408)	446807.68
3763646.39	82.41831	(12102408)		
446808.32	3763674.66	82.94834	(12102408)	446807.68
3763694.57	84.38503	(12102408)		
446808.32	3763710.63	84.33219	(12102408)	446808.32
3763726.37	83.97863	(12102408)		
446808.00	3763742.11	83.48505	(12102408)	446808.32
3763756.89	83.27170	(12102408)		
446808.64	3763798.32	83.81745	(12102408)	446810.25
3764484.08	65.01545c	(12091708)		
446781.34	3764475.08	63.13378c	(12091708)	446722.56
3764455.81	58.50238c	(12091708)		
446170.32	3764559.79	32.78550	(12102408)	446872.29
3763190.26	68.62129c	(13010508)		
446925.22	3763179.19	71.88073	(16123108)	446984.86
3763194.88	77.37809c	(14020408)		
447010.56	3763193.28	80.14076	(16123108)	447036.58
3763193.60	82.45257	(16123108)		
447053.61	3763193.28	84.34145c	(14020408)	447076.42
3763192.31	88.29232c	(14020408)		
447093.45	3763192.63	90.98444c	(14020408)	447122.05
3763192.63	93.84105c	(14020408)		
447138.75	3763192.31	95.71605c	(14020408)	447167.99
3763192.31	99.31113c	(14020408)		
447170.68	3763172.18	95.60860c	(14020408)	447170.41
3763158.25	93.59626c	(14020408)		
447169.31	3763144.87	91.82620c	(14020408)	447147.46
3763107.45	86.06635	(16123108)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:19:28

PAGE 16

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO
MICROGRAMS/M**3

IN

**

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	82.34154	(16123108)	447146.92	
3763064.30	81.59669	(16123108)			
447149.92	3763038.90	81.21675	(16123108)	447148.56	
3763019.78	80.52040	(16123108)			
447148.56	3762997.39	76.85798	(16123108)	447206.08	
3762958.49	84.57377c	(14020408)			
447209.33	3762922.51	84.20448c	(14020408)	447208.40	
3762890.70	82.40913c	(14020408)			
447145.83	3762888.87	69.63946c	(14020408)	447122.55	
3762889.07	66.54541	(16123108)			
447094.33	3762890.05	63.78438	(16123108)	447071.04	
3762890.45	61.81952	(16123108)			
447043.61	3762889.66	59.75804	(16123108)	447017.76	
3762888.87	58.01566	(16123108)			
446992.11	3762889.07	56.43624	(16123108)	446964.28	
3762888.28	54.85818	(16123108)			
446940.41	3762888.47	52.93406	(16123108)	446911.20	
3762888.08	50.92016	(16123108)			
446885.35	3762889.66	49.75917	(16123108)	446862.07	
3762888.87	48.79899	(16123108)			
446871.45	3762779.57	52.29521	(16123108)	446926.31	
3762768.72	54.83262	(16123108)			
446983.74	3762774.24	57.18097	(16123108)	447009.00	
3762774.05	58.43899	(16123108)			
447030.51	3762774.44	56.42438	(16123108)	447055.37	
3762774.05	57.78183c	(14020408)			
447076.88	3762774.24	59.46196c	(14020408)	447101.16	
3762774.44	63.08389	(16123108)			
447123.85	3762774.05	64.84732	(16123108)	447148.12	
3762775.03	66.95872	(16123108)			
447170.23	3762774.84	70.29845	(16123108)	447196.78	
3762775.48	73.04949	(16123108)			
447242.12	3762776.57	80.08459c	(14020408)	447262.33	
3762776.03	84.00085c	(14020408)			
447294.56	3762776.30	90.70195c	(14020408)	447313.13	
3762775.48	94.72222c	(14020408)			
447313.40	3762749.53	92.95833c	(14020408)	447327.86	
3762713.09	94.22979c	(14020408)			
447327.36	3762679.87	93.16705c	(14020408)	447327.74	
3762657.02	92.50166c	(14020408)			
447327.28	3762636.82	91.85990c	(14020408)	447327.51	
3762612.90	91.95154c	(14020408)			
447327.28	3762592.24	92.90525c	(14020408)	447327.04	
3762569.71	94.74689c	(14020408)			
447327.28	3762547.89	95.68001c	(14020408)	447326.58	
3762524.67	95.36048c	(14020408)			
447326.58	3762506.09	97.17228c	(14020408)	447327.51	
3762477.53	101.35548	(12120908)			
447325.88	3762454.31	103.70658	(12120908)	447225.58	
3762432.95	94.39525	(12120908)			
447200.27	3762430.63	92.94801	(12120908)	447156.85	
3762430.16	90.18105	(12120908)			
447131.77	3762430.86	89.07815	(12120908)	447102.74	
3762430.63	87.75924	(12120908)			
447079.06	3762430.86	85.52160	(12120908)	447034.94	
3762433.65	79.20312	(12120908)			
446995.47	3762433.65	75.51494	(12120908)	446972.71	
3762434.34	73.75564	(12120908)			
446941.37	3762434.58	71.31175	(12120908)	446916.06	

3762436.90	67.62394	(12120908)		
446876.35	3762436.90	62.98526	(16123108)	446848.85
3762647.05	54.23973	(16123108)		
446848.85	3762563.17	59.49144	(16123108)	446849.17
3762509.82	60.26248	(16123108)		
446849.17	3762455.82	60.23502	(16123108)	446848.85
3762702.00	55.46784	(16123108)		
446849.49	3762754.71	52.76595		
(16123108)				

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:19:28

PAGE 17

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

DATE

NETWORK

GROUP ID	AVERAGE CONC	(YYMMDDHH)	RECEPTOR	(XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID		

ALL HIGH 1ST HIGH VALUE IS 135.93943 ON 15032722: AT (447099.65, 3764456.17, 242.11, 242.11, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:19:28

PAGE 18

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

DATE

NETWORK

GROUP ID	AVERAGE CONC	(YYMMDDHH)	RECEPTOR	(XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID		

ALL HIGH 1ST HIGH VALUE IS 103.70658 ON 12120908: AT (447325.88, 3762454.31, 224.52, 224.52, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***

*** 15:19:28

PAGE 19

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1628 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1278 Calm Hours Identified

A Total of 350 Missing Hours Identified (0.80 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 202 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 202 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops NO2\14822 Ops
NO2.ADI

**

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**

** AERMOD Control Pathway

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**

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 1
URBANOPT 2035210 San_Bernardino_County
POLLUTID NOX
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Ops NO2.err"

CO FINISHED

**

** AERMOD Source Pathway

**
**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260
LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500

LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

** Source Parameters **

SRCPARAM VOL1	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL2	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL3	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL4	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL5	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL6	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL7	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL8	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL9	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL10	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL11	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL12	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL13	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL14	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL15	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL16	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL17	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL18	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL19	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL20	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL21	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL22	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL23	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL24	0.0251995761	5.000	44.302	1.400

SRCPARAM VOL25	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL26	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL27	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL28	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL29	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL30	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL31	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL32	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL33	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL34	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL35	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL36	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL37	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL38	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL39	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL40	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL41	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL42	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL43	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL44	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL45	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL46	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL47	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL48	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL49	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL50	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL51	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL52	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL53	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL54	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL55	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL56	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL57	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL58	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL59	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL60	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL61	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL62	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL63	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL64	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL65	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL66	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL67	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL68	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL69	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL70	0.0251995761	5.000	44.302	1.400

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "14822 Ops NO2.rou"

RE FINISHED
**

** AERMOD Meteorology Pathway

**
**

ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC

PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14822 OPS NO2.AD\01H1GALL.PLT" 31
SUMMFILE "14822 Ops NO2.sum"

OU FINISHED
**

** Project Parameters

** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM North American Datum 1983
** DTMRGN CONUS
** UNITS m
** ZONE 11
** ZONEINX 0
**


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** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops NO2\14822 Ops
NO2.ADI

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*****
** AERMOD Control Pathway
*****
**
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CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 1
URBANOPT 2035210 San_Bernardino_County
POLLUTID NOX
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Ops NO2.err"

```

```

CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

```

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260

LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500
LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

** Source Parameters **

SRCPARAM VOL1	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL2	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL3	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL4	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL5	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL6	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL7	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL8	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL9	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL10	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL11	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL12	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL13	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL14	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL15	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL16	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL17	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL18	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL19	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL20	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL21	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL22	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL23	0.0251995761	5.000	44.302	1.400

SRCPARAM VOL24	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL25	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL26	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL27	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL28	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL29	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL30	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL31	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL32	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL33	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL34	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL35	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL36	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL37	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL38	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL39	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL40	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL41	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL42	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL43	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL44	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL45	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL46	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL47	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL48	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL49	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL50	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL51	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL52	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL53	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL54	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL55	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL56	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL57	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL58	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL59	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL60	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL61	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL62	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL63	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL64	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL65	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL66	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL67	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL68	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL69	0.0251995761	5.000	44.302	1.400
SRCPARAM VOL70	0.0251995761	5.000	44.302	1.400
URBANSRC ALL				
SRCGROUP ALL				

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "14822 Ops NO2.rou"

RE FINISHED
**

** AERMOD Meteorology Pathway

**
**

ME STARTING

SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102_2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

OU STARTING

RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14822 OPS NO2.AD\01H1GALL.PLT" 31
SUMMFILE "14822 Ops NO2.sum"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 202 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 202 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***
*** 15:25:44

PAGE 1

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.

* Model Uses URBAN Dispersion Algorithm for the SBL for 70 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: NOX

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 70 Source(s); 1 Source Group(s); and 227 Receptor(s)
with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 70 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 289.00 ; Decay Coef. =
0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 14822 Ops

NO2.err

**File for Summary of Results: 14822 Ops

NO2.sum

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

15:25:44

PAGE 2

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

VOL52	0	0.25200E-01	447088.9	3763471.6	233.0	5.00	44.30	1.40
YES								
VOL53	0	0.25200E-01	446925.4	3763474.1	232.6	5.00	44.30	1.40
YES								
VOL54	0	0.25200E-01	447361.9	3763470.3	233.5	5.00	44.30	1.40
YES								
VOL55	0	0.25200E-01	447531.7	3763659.5	234.9	5.00	44.30	1.40
YES								
VOL56	0	0.25200E-01	447533.5	3763806.8	235.6	5.00	44.30	1.40
YES								
VOL57	0	0.25200E-01	447359.9	3763658.4	234.1	5.00	44.30	1.40
YES								
VOL58	0	0.25200E-01	447219.0	3763657.1	234.1	5.00	44.30	1.40
YES								
VOL59	0	0.25200E-01	447090.7	3763659.7	234.5	5.00	44.30	1.40
YES								
VOL60	0	0.25200E-01	446930.9	3763659.7	234.2	5.00	44.30	1.40
YES								
VOL61	0	0.25200E-01	447357.4	3763804.3	234.7	5.00	44.30	1.40
YES								
VOL62	0	0.25200E-01	447219.0	3763804.3	234.9	5.00	44.30	1.40
YES								
VOL63	0	0.25200E-01	447093.2	3763805.6	235.8	5.00	44.30	1.40
YES								
VOL64	0	0.25200E-01	446932.2	3763805.6	235.5	5.00	44.30	1.40
YES								
VOL65	0	0.25200E-01	447133.5	3763996.8	237.4	5.00	44.30	1.40
YES								
VOL66	0	0.25200E-01	446943.5	3763996.8	237.4	5.00	44.30	1.40
YES								
VOL67	0	0.25200E-01	447134.7	3764159.1	239.1	5.00	44.30	1.40
YES								
VOL68	0	0.25200E-01	446944.8	3764159.1	240.0	5.00	44.30	1.40
YES								
VOL69	0	0.25200E-01	447136.0	3764318.9	241.0	5.00	44.30	1.40
YES								
VOL70	0	0.25200E-01	446944.8	3764317.6	240.2	5.00	44.30	1.40
YES								

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 *** AERMET - VERSION 16216 ***
 *** 15:25:44

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs											
-----	-----											
ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,

VOL39 , VOL40 ,
 VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
 VOL47 , VOL48 ,
 VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
 VOL55 , VOL56 ,
 VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
 VOL63 , VOL64 ,
 VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,

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 Haven\AQIA\14822 Ops *** 10/13/22
 *** AERMET - VERSION 16216 ***
 *** 15:25:44

PAGE 5

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
VOL8	2035210. VOL6	VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL7 ,
	VOL9	VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,
	VOL15	VOL16 ,
	VOL17	VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
	VOL23	VOL24 ,
	VOL25	VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
	VOL31	VOL32 ,
	VOL33	VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
	VOL39	VOL40 ,
	VOL41	VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
	VOL47	VOL48 ,
	VOL49	VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
	VOL55	VOL56 ,
	VOL57	VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
	VOL63	VOL64 ,
	VOL65	VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,

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 *** AERMET - VERSION 16216 ***
 *** 15:25:44

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(447362.2, 3764292.7, 240.7, 240.7, 2.0); (447376.0, 3764151.0,

239.6, 239.6, 2.0);
(447389.8, 3764043.0, 237.8, 237.8, 2.0); (447450.2, 3764031.0,
237.5, 237.5, 2.0);
(447410.2, 3764019.0, 237.5, 237.5, 2.0); (446891.9, 3764451.2,
241.5, 241.5, 2.0);
(446959.3, 3764451.2, 241.5, 241.5, 2.0); (446995.3, 3764468.1,
241.8, 241.8, 2.0);
(447007.4, 3764467.3, 241.9, 241.9, 2.0); (447023.5, 3764466.1,
241.9, 241.9, 2.0);
(447036.6, 3764466.2, 241.9, 241.9, 2.0); (447052.7, 3764465.6,
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242.1, 242.1, 2.0);
(447145.3, 3764468.3, 242.1, 242.1, 2.0); (447175.5, 3764468.0,
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(447205.3, 3764468.3, 241.3, 241.3, 2.0); (447232.4, 3764467.5,
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(447365.0, 3764456.4, 243.3, 243.3, 2.0); (447406.6, 3764460.6,
243.1, 243.1, 2.0);
(447441.5, 3764460.0, 243.2, 243.2, 2.0); (447466.9, 3764460.2,
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242.6, 242.6, 2.0);
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241.8, 241.8, 2.0);
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240.2, 240.2, 2.0);
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237.7,      237.7,      2.0);
( 447856.9, 3763749.7,    236.2,    236.2,    2.0);
236.0,      236.0,      2.0);
( 447854.3, 3763698.3,    235.6,    235.6,    2.0);
235.4,      235.4,      2.0);
( 447675.5, 3763287.5,    232.0,    232.0,    2.0);
235.6,      235.6,      2.0);
( 448480.0, 3763195.5,    232.0,    232.0,    2.0);
229.4,      229.4,      2.0);
( 448497.9, 3762714.1,    228.1,    228.1,    2.0);
225.8,      225.8,      2.0);
( 448480.5, 3762358.0,    224.8,    224.8,    2.0);
224.6,      224.6,      2.0);
( 448464.5, 3762265.9,    223.3,    223.3,    2.0);
222.0,      222.0,      2.0);
( 448472.6, 3762064.7,    220.0,    220.0,    2.0);
219.4,      219.4,      2.0);
( 448234.6, 3761951.2,    220.0,    220.0,    2.0);
220.9,      220.9,      2.0);
( 448025.5, 3761956.0,    221.0,    221.0,    2.0);
220.0,      220.0,      2.0);

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Haven\AQIA\14822 Ops *** 10/13/22

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*** AERMET - VERSION 16216 ***
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*** 15:25:44

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PAGE 7

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 447269.3, 3761967.7,    219.7,    219.7,    2.0);
220.0,      220.0,      2.0);
( 447019.1, 3761964.3,    219.0,    219.0,    2.0);
219.0,      219.0,      2.0);
( 446975.3, 3761963.2,    219.0,    219.0,    2.0);
219.0,      219.0,      2.0);
( 446865.7, 3761974.5,    219.9,    219.9,    2.0);
220.0,      220.0,      2.0);
( 446757.6, 3761965.8,    220.0,    220.0,    2.0);
220.0,      220.0,      2.0);
( 446796.4, 3762028.6,    220.0,    220.0,    2.0);
220.1,      220.1,      2.0);
( 446796.7, 3762089.5,    221.0,    221.0,    2.0);
221.0,      221.0,      2.0);
( 446796.7, 3762137.3,    221.0,    221.0,    2.0);
221.0,      221.0,      2.0);
( 446772.4, 3762215.4,    221.6,    221.6,    2.0);
222.0,      222.0,      2.0);
( 446796.4, 3762451.0,    224.0,    224.0,    2.0);
224.4,      224.4,      2.0);
( 446797.2, 3762496.0,    224.9,    224.9,    2.0);
225.3,      225.3,      2.0);
( 446797.8, 3762540.0,    225.7,    225.7,    2.0);
225.9,      225.9,      2.0);
( 446798.6, 3762584.8,    226.1,    226.1,    2.0);
226.5,      226.5,      2.0);
( 446799.7, 3762654.1,    227.5,    227.5,    2.0);
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( 446800.2, 3762700.2,    228.5,    228.5,    2.0);
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( 446940.9, 3761953.8,
( 446795.1, 3761957.9,
( 446709.3, 3761967.7,
( 446797.0, 3762045.3,
( 446796.1, 3762105.9,
( 446796.1, 3762153.4,
( 446795.1, 3762321.0,
( 446796.4, 3762471.2,
( 446798.1, 3762516.5,
( 446797.5, 3762560.2,
( 446798.1, 3762604.4,
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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/13/22
 *** AERMET - VERSION 16216 ***

*** 15:25:44

21.	7.9	282.0	2.0											
12 01 01	1 07	-7.6	0.115	-9.000	-9.000	-999.	93.	17.4	0.09	1.12	1.00	1.40		
31.	7.9	282.5	2.0											
12 01 01	1 08	-13.6	0.184	-9.000	-9.000	-999.	190.	40.5	0.09	1.12	0.54	2.16		
34.	7.9	284.2	2.0											
12 01 01	1 09	28.4	0.126	0.300	0.011	33.	108.	-6.2	0.09	1.12	0.32	1.03		
29.	7.9	289.2	2.0											
12 01 01	1 10	79.8	0.133	0.607	0.010	99.	116.	-2.6	0.09	1.12	0.25	0.94		
173.	7.9	292.5	2.0											
12 01 01	1 11	115.8	0.137	0.932	0.006	246.	121.	-2.0	0.09	1.12	0.22	0.92		
172.	7.9	295.4	2.0											
12 01 01	1 12	133.7	0.139	1.197	0.005	453.	125.	-1.8	0.09	1.12	0.21	0.92		
146.	7.9	297.5	2.0											
12 01 01	1 13	133.2	0.160	1.354	0.005	657.	153.	-2.7	0.09	1.12	0.21	1.14		
117.	7.9	299.9	2.0											
12 01 01	1 14	113.5	0.159	1.454	0.005	955.	151.	-3.1	0.09	1.12	0.23	1.16		
285.	7.9	300.9	2.0											
12 01 01	1 15	76.2	0.166	1.350	0.005	1138.	163.	-5.3	0.09	1.12	0.26	1.33		
72.	7.9	302.0	2.0											
12 01 01	1 16	23.5	0.175	0.925	0.005	1183.	175.	-19.9	0.09	1.12	0.35	1.65		
107.	7.9	301.4	2.0											
12 01 01	1 17	-6.1	0.107	-9.000	-9.000	-999.	86.	18.0	0.09	1.12	0.63	1.31		
107.	7.9	298.1	2.0											
12 01 01	1 18	-11.1	0.141	-9.000	-9.000	-999.	127.	22.1	0.09	1.12	1.00	1.69		
86.	7.9	293.1	2.0											
12 01 01	1 19	-3.2	0.076	-9.000	-9.000	-999.	51.	11.8	0.09	1.12	1.00	0.91		
64.	7.9	292.0	2.0											
12 01 01	1 20	-2.3	0.066	-9.000	-9.000	-999.	41.	11.2	0.09	1.12	1.00	0.74		
73.	7.9	288.8	2.0											
12 01 01	1 21	-10.0	0.133	-9.000	-9.000	-999.	116.	20.5	0.09	1.12	1.00	1.60		
14.	7.9	288.1	2.0											
12 01 01	1 22	-19.4	0.201	-9.000	-9.000	-999.	216.	44.5	0.09	1.12	1.00	2.36		
22.	7.9	287.5	2.0											
12 01 01	1 23	-23.7	0.246	-9.000	-9.000	-999.	293.	66.5	0.09	1.12	1.00	2.86		
40.	7.9	287.0	2.0											
12 01 01	1 24	-12.3	0.147	-9.000	-9.000	-999.	139.	23.8	0.09	1.12	1.00	1.76		
40.	7.9	283.8	2.0											

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	43.	2.03	286.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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*** AERMET - VERSION 16216 ***

15:25:44

PAGE 11

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):		VOL1	VOL2	
VOL3	VOL4	VOL5		
VOL6	VOL7	VOL8	VOL9	VOL10
VOL11	VOL12	VOL13		
VOL14	VOL15	VOL16	VOL17	VOL18
VOL19	VOL20	VOL21		
VOL22	VOL23	VOL24	VOL25	VOL26
VOL27	VOL28	. . .		

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	19.96579	(15083004)	447375.98	
3764150.98	22.29384	(15083004)			
447389.75	3764043.04	23.70828	(12082822)	447450.16	
3764031.05	20.46636	(12082822)			
447410.18	3764019.05	21.84545	(12082822)	446891.90	
3764451.22	23.95477	(12080801)			
446959.28	3764451.22	24.02773	(15072504)	446995.28	
3764468.13	23.00555	(16102921)			
447007.41	3764467.30	23.00879	(16102921)	447023.51	
3764466.09	22.97432	(16102921)			
447036.59	3764466.21	22.90062	(16102921)	447052.68	
3764465.61	22.86199	(14080503)			
447066.60	3764465.73	22.87578	(15032722)	447099.65	
3764456.17	24.71626	(15032722)			
447145.28	3764468.27	23.15598	(16072222)	447175.54	
3764468.03	21.03687	(16072222)			
447205.32	3764468.27	19.89521	(16062805)	447232.43	
3764467.55	19.32553	(16062805)			
447264.02	3764467.30	18.90422	(13090206)	447294.77	
3764466.94	18.40950	(13090206)			
447364.97	3764456.41	17.43594	(15083004)	447406.61	
3764460.65	17.05732	(12082822)			
447441.47	3764460.04	16.61787	(12082822)	447466.88	
3764460.20	16.43025	(12080905)			
447490.00	3764460.56	16.26038	(12080905)	447515.50	
3764460.40	15.87841	(12080905)			
447573.06	3764454.29	15.24058	(12080824)	447598.49	
3764445.22	15.00637	(12080824)			
447652.90	3764439.70	14.66226	(16102922)	447692.92	
3764439.51	14.15973	(16072903)			
447713.82	3764439.11	13.96149	(12080823)	447731.95	
3764438.72	13.73994	(12080823)			
447751.07	3764438.72	13.47925	(12080823)	447768.82	
3764437.53	13.25437	(16062624)			
447789.12	3764437.73	13.03371	(16062624)	447805.68	
3764437.34	12.80041	(16062624)			
447824.02	3764437.20	12.57025	(16072205)	447841.61	
3764437.87	12.37109	(13090302)			
447861.72	3764437.53	12.12788	(13090302)	447881.66	
3764435.18	11.86252	(13090302)			
447902.78	3764436.19	11.55583	(13090302)	447920.87	
3764435.35	11.28384	(13090302)			
447942.16	3764435.35	11.01152	(15080603)	447962.77	
3764434.85	10.77416	(15092823)			
447980.70	3764435.18	10.56924	(15092823)	448004.66	
3764435.18	10.26222	(15092823)			
448021.25	3764434.68	10.03661	(15062204)	447662.70	
3764379.63	15.09934	(14070405)			
447681.30	3764320.98	15.44666	(12080823)	447682.64	
3764285.79	15.69502	(12080823)			
447662.53	3764238.37	16.29732	(12080823)	447661.70	
3764207.37	16.55248	(12080823)			
447683.14	3764162.29	16.19464	(12080823)	447680.97	
3764145.87	16.30950	(12080823)			
447679.63	3764130.28	15.27066	(12080823)	447680.80	
3764112.02	14.47777	(15092321)			
447681.47	3764096.43	14.67434	(15092321)	447680.80	
3764078.84	14.90983	(15092321)			
447679.96	3764064.26	15.11458	(15092321)	447680.97	
3764045.82	15.35265	(15092321)			

447680.63	3764029.74	15.59848	(15092321)	447657.17
3763992.03	16.69678	(15092321)		
447656.33	3763967.06	17.23421	(15092321)	447657.17
3763928.69	18.00834	(15092321)		
447657.17	3763902.21	18.53896	(12080823)	447657.51
3763869.03	19.32610	(12080823)		
447656.16	3763834.94	20.25469	(12080823)	447655.93
3763808.27	20.88048	(12080823)		
447657.09	3763786.00	21.17115	(16062624)	447701.21
3763782.14	18.58765	(13090302)		
447856.92	3763749.71	13.48435	(12090824)	447854.99
3763730.13	13.64084	(12090824)		
447854.35	3763698.35	13.75410	(12090824)	447855.31
3763676.84	13.32858	(15080603)		
447675.51	3763287.46	19.44361	(14100622)	448481.33
3763485.29	10.35324	(12081401)		
448479.95	3763195.53	12.31439	(12081204)	448478.56
3762907.16	16.03057	(16081422)		
448497.89	3762714.10	16.48500	(12090723)	448507.91
3762487.71	16.40939	(15100920)		

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*** AERMET - VERSION 16216 ***

*** 15:25:44

PAGE 12

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	17.15932	(12081723)	448462.73	
3762339.82	18.25326	(12081723)			
448464.47	3762265.93	17.97525	(12090422)	448461.57	
3762165.17	18.28711	(12110518)			
448472.57	3762064.71	15.95955	(15090823)	448460.48	
3762016.72	15.31084	(14091123)			
448234.63	3761951.18	19.55155	(12121716)	448081.42	
3761952.78	19.98088	(12121716)			
448025.53	3761955.99	22.25058	(12121716)	447506.75	
3761967.63	18.03637	(12101522)			
447269.29	3761967.74	17.55264	(14091523)	447389.46	
3761908.79	15.23345	(14091523)			
447019.14	3761964.34	15.44305	(15101221)	447060.33	
3761963.58	15.61107	(15010618)			
446975.31	3761963.20	15.00568	(15101221)	446940.92	
3761953.76	14.27072	(15101221)			
446865.72	3761974.54	15.10037	(15100919)	446795.06	
3761957.91	13.44601	(15100919)			

446757.65	3761965.85	13.19902	(15100919)	446709.33
3761967.74	12.41496	(15100919)		
446796.42	3762028.62	16.34137	(15100919)	446796.97
3762045.28	16.93389	(14051602)		
446796.70	3762089.51	18.38393	(14051523)	446796.15
3762105.89	18.64955	(14051523)		
446796.70	3762137.29	18.84590	(14051523)	446796.15
3762153.39	18.95412	(16021518)		
446772.40	3762215.37	17.76115	(16021518)	446795.06
3762321.03	18.01452	(15090905)		
446796.42	3762450.98	12.40900	(16110920)	446796.42
3762471.18	13.01958	(15082702)		
446797.24	3762496.03	12.43396	(15082702)	446798.06
3762516.51	15.12027	(14091702)		
446797.79	3762539.98	14.41133	(14091702)	446797.52
3762560.19	13.88758	(15090724)		
446798.61	3762584.76	14.04604	(14091421)	446798.06
3762604.42	13.77202	(14091421)		
446799.70	3762654.11	13.47370	(12081505)	446799.97
3762674.58	13.33809	(15032721)		
446800.25	3762700.25	13.61403	(12081505)	446800.25
3762721.27	13.45595	(12081505)		
446799.97	3762735.74	13.31999	(12081505)	446797.79
3762748.02	13.19454	(12081505)		
446802.16	3762913.47	12.24556	(12091002)	446802.16
3762932.58	12.19103	(12091002)		
446802.43	3762949.24	12.14337	(12091002)	446802.98
3762967.26	12.09983	(16122017)		
446802.70	3762986.09	12.11130	(16122017)	446802.16
3763003.29	12.30272	(16122017)		
446802.16	3763021.86	12.39333	(16122017)	446802.70
3763040.70	12.55644	(16122017)		
446802.98	3763059.26	12.66641	(16122017)	446803.52
3763077.01	12.81255	(15081403)		
446756.29	3763085.26	11.99121	(15081403)	446807.68
3763646.39	21.22825	(13062901)		
446808.32	3763674.66	21.33588	(13062901)	446807.68
3763694.57	22.24107	(13062901)		
446808.32	3763710.63	22.20852	(13062901)	446808.32
3763726.37	22.10853	(13062901)		
446808.00	3763742.11	21.95230	(13062901)	446808.32
3763756.89	21.83953	(13062901)		
446808.64	3763798.32	22.15277	(13082922)	446810.25
3764484.08	21.56652	(15082605)		
446781.34	3764475.08	21.32640	(15082605)	446722.56
3764455.81	20.50752	(13090723)		
446170.32	3764559.79	13.16709	(15090724)	446872.29
3763190.26	17.37958	(15081403)		
446925.22	3763179.19	18.43969	(15081403)	446984.86
3763194.88	19.68320	(16092001)		
447010.56	3763193.28	20.44715	(15081403)	447036.58
3763193.60	20.95828	(15081403)		
447053.61	3763193.28	21.38748	(16092001)	447076.42
3763192.31	23.42433	(16092001)		
447093.45	3763192.63	23.96281	(16092001)	447122.05
3763192.63	23.13072	(16092001)		
447138.75	3763192.31	23.42628	(16092001)	447167.99
3763192.31	24.02021	(12081704)		
447170.68	3763172.18	22.84369	(15090920)	447170.41
3763158.25	22.45899	(12081704)		
447169.31	3763144.87	22.21435	(12081704)	447147.46
3763107.45	21.54603	(16092001)		

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Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

15:25:44

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX		IN		**	
MICROGRAMS/M**3					
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	20.86488	(16092001)	447146.92	
3763064.30	20.64083	(16092001)			
447149.92	3763038.90	20.39564	(16092001)	447148.56	
3763019.78	20.16790	(15081403)			
447148.56	3762997.39	18.75851	(14091702)	447206.08	
3762958.49	19.92229	(14091702)			
447209.33	3762922.51	19.96279	(14091702)	447208.40	
3762890.70	19.63587	(14091702)			
447145.83	3762888.87	17.50358	(15081403)	447122.55	
3762889.07	16.97258	(15081403)			
447094.33	3762890.05	16.39853	(15081403)	447071.04	
3762890.45	15.96028	(15081403)			
447043.61	3762889.66	15.46061	(15081403)	447017.76	
3762888.87	15.07052	(16122017)			
446992.11	3762889.07	14.76423	(12091002)	446964.28	
3762888.28	14.43172	(12091002)			
446940.41	3762888.47	14.05718	(12091002)	446911.20	
3762888.08	13.63468	(12091002)			
446885.35	3762889.66	13.35481	(12091002)	446862.07	
3762888.87	13.10407	(12091002)			
446871.45	3762779.57	13.55881	(15032721)	446926.31	
3762768.72	14.19128	(16090703)			
446983.74	3762774.24	14.84585	(12091002)	447009.00	
3762774.05	15.18942	(12091002)			
447030.51	3762774.44	14.19736	(12091002)	447055.37	
3762774.05	14.41960	(12091002)			
447076.88	3762774.24	14.71380	(12091002)	447101.16	
3762774.44	16.43835	(12091002)			
447123.85	3762774.05	16.81910	(12091002)	447148.12	
3762775.03	17.39153	(15081403)			
447170.23	3762774.84	18.03754	(15081403)	447196.78	
3762775.48	18.71455	(15081403)			
447242.12	3762776.57	19.99579	(15081403)	447262.33	
3762776.03	20.43961	(16092001)			
447294.56	3762776.30	21.42813	(12081704)	447313.13	
3762775.48	22.05832	(12081704)			
447313.40	3762749.53	22.04841	(12081704)	447327.86	
3762713.09	22.11015	(14091702)			
447327.36	3762679.87	20.42394	(14091702)	447327.74	
3762657.02	20.33244	(14091701)			
447327.28	3762636.82	20.19690	(14091701)	447327.51	
3762612.90	20.16887	(14091701)			

447327.28	3762592.24	20.36729	(14091701)	447327.04
3762569.71	20.75594	(14091701)		
447327.28	3762547.89	21.60215	(12081704)	447326.58
3762524.67	21.56394	(12081103)		
447326.58	3762506.09	21.84858	(12081103)	447327.51
3762477.53	22.46638	(12062806)		
447325.88	3762454.31	22.97728	(12062806)	447225.58
3762432.95	20.93104	(12062806)		
447200.27	3762430.63	20.43901	(12062806)	447156.85
3762430.16	19.83449	(12062806)		
447131.77	3762430.86	19.60234	(12062806)	447102.74
3762430.63	19.31124	(12062806)		
447079.06	3762430.86	18.80706	(12062806)	447034.94
3762433.65	17.40910	(12062806)		
446995.47	3762433.65	16.60161	(12062806)	446972.71
3762434.34	16.22267	(12062806)		
446941.37	3762434.58	15.70709	(12062806)	446916.06
3762436.90	14.90601	(12062806)		
446876.35	3762436.90	14.28230	(14091620)	446848.85
3762647.05	13.73829	(15032721)		
446848.85	3762563.17	14.65839	(14091421)	446849.17
3762509.82	14.82677	(14091421)		
446849.17	3762455.82	14.14616	(12092322)	446848.85
3762702.00	13.97176	(12081505)		
446849.49	3762754.71	13.57095		
(12081505)				

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:25:44

PAGE 14

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

DATE

GROUP ID	AVERAGE CONC	DATE	NETWORK
(ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID	(YYMMDDHH)	RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 24.71626 ON 15032722: AT (447099.65, 3764456.17, 242.11, 242.11, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:25:44

PAGE 15

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1628 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1278 Calm Hours Identified

A Total of 350 Missing Hours Identified (0.80 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 202 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 202 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

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** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops PM10\14822 Ops
PM10.ADI

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** AERMOD Control Pathway
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CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2035210 San_Bernardino_County
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Ops PM10.err"

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CO FINISHED

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**
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** AERMOD Source Pathway
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SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION	VOL	VOLUME	X Coord.	Y Coord.	
LOCATION VOL1		447959.249	3762097.745		222.000
LOCATION VOL2		448134.383	3762098.764		222.370
LOCATION VOL3		447790.254	3762102.860		221.890
LOCATION VOL4		447618.190	3762098.764		221.000
LOCATION VOL5		447446.126	3762100.812		221.000
LOCATION VOL6		447276.110	3762094.667		220.000
LOCATION VOL7		447099.949	3762094.667		219.610
LOCATION VOL8		446929.933	3762096.715		220.000
LOCATION VOL9		448310.544	3762106.957		222.000
LOCATION VOL10		446926.657	3762209.795		221.340
LOCATION VOL11		446924.141	3762324.271		222.230
LOCATION VOL12		447100.259	3762207.279		221.000
LOCATION VOL13		447276.377	3762207.279		221.940
LOCATION VOL14		447447.462	3762207.279		222.000
LOCATION VOL15		447616.032	3762206.021		222.000
LOCATION VOL16		447807.246	3762206.021		222.590
LOCATION VOL17		447959.462	3762206.021		223.000
LOCATION VOL18		448138.096	3762203.505		222.620
LOCATION VOL19		448312.955	3762202.247		222.640
LOCATION VOL20		447100.259	3762325.529		221.990
LOCATION VOL21		447276.377	3762324.271		222.880
LOCATION VOL22		447448.720	3762324.271		222.690
LOCATION VOL23		447616.032	3762326.787		222.680
LOCATION VOL24		447789.634	3762328.045		223.720
LOCATION VOL25		447960.720	3762326.787		224.240
LOCATION VOL26		448135.580	3762328.045		224.450
LOCATION VOL27		448317.987	3762330.561		224.780
LOCATION VOL28		447432.367	3762512.969		225.260
LOCATION VOL29		447621.064	3762512.969		224.500

LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

** Source Parameters **

SRCPARAM VOL1	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL2	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL3	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL4	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL5	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL6	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL7	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL8	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL9	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL10	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL11	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL12	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL13	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL14	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL15	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL16	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL17	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL18	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL19	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL20	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL21	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL22	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL23	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL24	0.0039563334	5.000	44.302	1.400

SRCPARAM VOL25	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL26	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL27	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL28	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL29	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL30	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL31	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL32	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL33	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL34	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL35	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL36	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL37	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL38	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL39	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL40	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL41	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL42	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL43	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL44	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL45	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL46	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL47	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL48	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL49	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL50	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL51	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL52	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL53	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL54	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL55	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL56	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL57	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL58	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL59	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL60	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL61	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL62	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL63	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL64	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL65	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL66	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL67	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL68	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL69	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL70	0.0039563334	5.000	44.302	1.400

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

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** AERMOD Receptor Pathway

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RE STARTING

INCLUDED "14822 Ops PM10.rou"

RE FINISHED

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** AERMOD Meteorology Pathway

**

ME STARTING

SURFFILE KONT_V9_ADJU\KONT_v9.SFC

PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

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**

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14822 OPS PM10.AD\24H1GALL.PLT" 31
SUMMFILE "14822 Ops PM10.sum"

OU FINISHED
**

** Project Parameters

** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM North American Datum 1983
** DTMRGN CONUS
** UNITS m
** ZONE 11
** ZONEINX 0
**

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** Lakes Environmental AERMOD MPI
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** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops PM10\14822 Ops
PM10.ADI
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** AERMOD Control Pathway
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CO STARTING

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TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2035210 San_Bernardino_County
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Ops PM10.err"

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CO FINISHED

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**
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** AERMOD Source Pathway
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SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260

LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500
LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

** Source Parameters **

SRCPARAM VOL1	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL2	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL3	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL4	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL5	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL6	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL7	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL8	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL9	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL10	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL11	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL12	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL13	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL14	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL15	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL16	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL17	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL18	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL19	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL20	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL21	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL22	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL23	0.0039563334	5.000	44.302	1.400

SRCPARAM VOL24	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL25	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL26	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL27	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL28	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL29	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL30	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL31	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL32	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL33	0.0039563334	5.000	44.302	1.400
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SRCPARAM VOL35	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL36	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL37	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL38	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL39	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL40	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL41	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL42	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL43	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL44	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL45	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL46	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL47	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL48	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL49	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL50	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL51	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL52	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL53	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL54	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL55	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL56	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL57	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL58	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL59	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL60	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL61	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL62	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL63	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL64	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL65	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL66	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL67	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL68	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL69	0.0039563334	5.000	44.302	1.400
SRCPARAM VOL70	0.0039563334	5.000	44.302	1.400
URBANSRC ALL				
SRCGROUP ALL				

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "14822 Ops PM10.rou"

RE FINISHED
**

** AERMOD Meteorology Pathway

**
**

ME STARTING

SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102_2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

OU STARTING

RECTABLE ALLAVE 1ST
RECTABLE 24 1ST

** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14822 OPS PM10.AD\24H1GALL.PLT" 31
SUMMFILE "14822 Ops PM10.sum"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 202 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 202 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***
*** 15:12:51

PAGE 1

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.

VOL52	0	0.39563E-02	447088.9	3763471.6	233.0	5.00	44.30	1.40
YES								
VOL53	0	0.39563E-02	446925.4	3763474.1	232.6	5.00	44.30	1.40
YES								
VOL54	0	0.39563E-02	447361.9	3763470.3	233.5	5.00	44.30	1.40
YES								
VOL55	0	0.39563E-02	447531.7	3763659.5	234.9	5.00	44.30	1.40
YES								
VOL56	0	0.39563E-02	447533.5	3763806.8	235.6	5.00	44.30	1.40
YES								
VOL57	0	0.39563E-02	447359.9	3763658.4	234.1	5.00	44.30	1.40
YES								
VOL58	0	0.39563E-02	447219.0	3763657.1	234.1	5.00	44.30	1.40
YES								
VOL59	0	0.39563E-02	447090.7	3763659.7	234.5	5.00	44.30	1.40
YES								
VOL60	0	0.39563E-02	446930.9	3763659.7	234.2	5.00	44.30	1.40
YES								
VOL61	0	0.39563E-02	447357.4	3763804.3	234.7	5.00	44.30	1.40
YES								
VOL62	0	0.39563E-02	447219.0	3763804.3	234.9	5.00	44.30	1.40
YES								
VOL63	0	0.39563E-02	447093.2	3763805.6	235.8	5.00	44.30	1.40
YES								
VOL64	0	0.39563E-02	446932.2	3763805.6	235.5	5.00	44.30	1.40
YES								
VOL65	0	0.39563E-02	447133.5	3763996.8	237.4	5.00	44.30	1.40
YES								
VOL66	0	0.39563E-02	446943.5	3763996.8	237.4	5.00	44.30	1.40
YES								
VOL67	0	0.39563E-02	447134.7	3764159.1	239.1	5.00	44.30	1.40
YES								
VOL68	0	0.39563E-02	446944.8	3764159.1	240.0	5.00	44.30	1.40
YES								
VOL69	0	0.39563E-02	447136.0	3764318.9	241.0	5.00	44.30	1.40
YES								
VOL70	0	0.39563E-02	446944.8	3764317.6	240.2	5.00	44.30	1.40
YES								

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 *** AERMET - VERSION 16216 ***
 *** 15:12:51

PAGE 4

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs											
-----	-----											
ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,

VOL39 , VOL40 ,
 VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
 VOL47 , VOL48 ,
 VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
 VOL55 , VOL56 ,
 VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
 VOL63 , VOL64 ,
 VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,

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 *** AERMET - VERSION 16216 ***
 *** 15:12:51

PAGE 5

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
VOL8	2035210. VOL6	VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL7 ,
	VOL9	VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,
	VOL15	VOL16 ,
	VOL17	VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
	VOL23	VOL24 ,
	VOL25	VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
	VOL31	VOL32 ,
	VOL33	VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
	VOL39	VOL40 ,
	VOL41	VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
	VOL47	VOL48 ,
	VOL49	VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
	VOL55	VOL56 ,
	VOL57	VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
	VOL63	VOL64 ,
	VOL65	VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,

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 *** AERMET - VERSION 16216 ***
 *** 15:12:51

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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( 447675.5, 3763287.5,    232.0,    232.0,    2.0);
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229.4,      229.4,      2.0);
( 448497.9, 3762714.1,    228.1,    228.1,    2.0);
225.8,      225.8,      2.0);
( 448480.5, 3762358.0,    224.8,    224.8,    2.0);
224.6,      224.6,      2.0);
( 448464.5, 3762265.9,    223.3,    223.3,    2.0);
222.0,      222.0,      2.0);
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219.4,      219.4,      2.0);
( 448234.6, 3761951.2,    220.0,    220.0,    2.0);
220.9,      220.9,      2.0);
( 448025.5, 3761956.0,    221.0,    221.0,    2.0);
220.0,      220.0,      2.0);

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Haven\AQIA\14822 Ops *** 10/13/22

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*** AERMET - VERSION 16216 ***
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*** 15:12:51

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PAGE 7

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 447269.3, 3761967.7,    219.7,    219.7,    2.0);
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( 446975.3, 3761963.2,    219.0,    219.0,    2.0);
219.0,      219.0,      2.0);
( 446865.7, 3761974.5,    219.9,    219.9,    2.0);
220.0,      220.0,      2.0);
( 446757.6, 3761965.8,    220.0,    220.0,    2.0);
220.0,      220.0,      2.0);
( 446796.4, 3762028.6,    220.0,    220.0,    2.0);
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( 446796.7, 3762089.5,    221.0,    221.0,    2.0);
221.0,      221.0,      2.0);
( 446796.7, 3762137.3,    221.0,    221.0,    2.0);
221.0,      221.0,      2.0);
( 446772.4, 3762215.4,    221.6,    221.6,    2.0);
222.0,      222.0,      2.0);
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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/13/22
 *** AERMET - VERSION 16216 ***

*** 15:12:51

21.	7.9	282.0	2.0											
12 01 01	1 07	-7.6	0.115	-9.000	-9.000	-999.	93.	17.4	0.09	1.12	1.00	1.40		
31.	7.9	282.5	2.0											
12 01 01	1 08	-13.6	0.184	-9.000	-9.000	-999.	190.	40.5	0.09	1.12	0.54	2.16		
34.	7.9	284.2	2.0											
12 01 01	1 09	28.4	0.126	0.300	0.011	33.	108.	-6.2	0.09	1.12	0.32	1.03		
29.	7.9	289.2	2.0											
12 01 01	1 10	79.8	0.133	0.607	0.010	99.	116.	-2.6	0.09	1.12	0.25	0.94		
173.	7.9	292.5	2.0											
12 01 01	1 11	115.8	0.137	0.932	0.006	246.	121.	-2.0	0.09	1.12	0.22	0.92		
172.	7.9	295.4	2.0											
12 01 01	1 12	133.7	0.139	1.197	0.005	453.	125.	-1.8	0.09	1.12	0.21	0.92		
146.	7.9	297.5	2.0											
12 01 01	1 13	133.2	0.160	1.354	0.005	657.	153.	-2.7	0.09	1.12	0.21	1.14		
117.	7.9	299.9	2.0											
12 01 01	1 14	113.5	0.159	1.454	0.005	955.	151.	-3.1	0.09	1.12	0.23	1.16		
285.	7.9	300.9	2.0											
12 01 01	1 15	76.2	0.166	1.350	0.005	1138.	163.	-5.3	0.09	1.12	0.26	1.33		
72.	7.9	302.0	2.0											
12 01 01	1 16	23.5	0.175	0.925	0.005	1183.	175.	-19.9	0.09	1.12	0.35	1.65		
107.	7.9	301.4	2.0											
12 01 01	1 17	-6.1	0.107	-9.000	-9.000	-999.	86.	18.0	0.09	1.12	0.63	1.31		
107.	7.9	298.1	2.0											
12 01 01	1 18	-11.1	0.141	-9.000	-9.000	-999.	127.	22.1	0.09	1.12	1.00	1.69		
86.	7.9	293.1	2.0											
12 01 01	1 19	-3.2	0.076	-9.000	-9.000	-999.	51.	11.8	0.09	1.12	1.00	0.91		
64.	7.9	292.0	2.0											
12 01 01	1 20	-2.3	0.066	-9.000	-9.000	-999.	41.	11.2	0.09	1.12	1.00	0.74		
73.	7.9	288.8	2.0											
12 01 01	1 21	-10.0	0.133	-9.000	-9.000	-999.	116.	20.5	0.09	1.12	1.00	1.60		
14.	7.9	288.1	2.0											
12 01 01	1 22	-19.4	0.201	-9.000	-9.000	-999.	216.	44.5	0.09	1.12	1.00	2.36		
22.	7.9	287.5	2.0											
12 01 01	1 23	-23.7	0.246	-9.000	-9.000	-999.	293.	66.5	0.09	1.12	1.00	2.86		
40.	7.9	287.0	2.0											
12 01 01	1 24	-12.3	0.147	-9.000	-9.000	-999.	139.	23.8	0.09	1.12	1.00	1.76		
40.	7.9	283.8	2.0											

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	43.	2.03	286.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

15:12:51

PAGE 11

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):	VOL1	VOL2	VOL3	VOL4	VOL5	VOL6	VOL7	VOL8	VOL9	VOL10	VOL11	VOL12	VOL13	VOL14	VOL15	VOL16	VOL17	VOL18	VOL19	VOL20	VOL21	VOL22	VOL23	VOL24	VOL25	VOL26	VOL27	VOL28

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.89698	(12080824)	447375.98	
3764150.98	1.01720c	(12091724)			
447389.75	3764043.04	1.09567	(12080824)	447450.16	
3764031.05	1.00317	(14021824)			
447410.18	3764019.05	1.08886	(14021824)	446891.90	
3764451.22	0.91263c	(12091724)			
446959.28	3764451.22	0.98101c	(12091724)	446995.28	
3764468.13	0.93054c	(12091724)			
447007.41	3764467.30	0.93636c	(12091724)	447023.51	
3764466.09	0.94173c	(12091724)			
447036.59	3764466.21	0.94178c	(12091724)	447052.68	
3764465.61	0.94522c	(12091724)			
447066.60	3764465.73	0.94544c	(12091724)	447099.65	
3764456.17	1.02419	(14021824)			
447145.28	3764468.27	0.94813	(14021824)	447175.54	
3764468.03	0.89359	(14021824)			
447205.32	3764468.27	0.83951	(14021824)	447232.43	
3764467.55	0.80053c	(12091724)			
447264.02	3764467.30	0.76962	(12080824)	447294.77	
3764466.94	0.74788	(12080824)			
447364.97	3764456.41	0.71390	(12080824)	447406.61	
3764460.65	0.68284	(12080824)			
447441.47	3764460.04	0.67305	(12080824)	447466.88	
3764460.20	0.65902	(12080824)			
447490.00	3764460.56	0.65004	(12080824)	447515.50	
3764460.40	0.63670	(12080824)			
447573.06	3764454.29	0.60788	(12080824)	447598.49	
3764445.22	0.59956	(12080824)			
447652.90	3764439.70	0.56957	(12080824)	447692.92	
3764439.51	0.54098	(12022524)			
447713.82	3764439.11	0.53057	(12022524)	447731.95	
3764438.72	0.52440	(12022524)			
447751.07	3764438.72	0.51491	(12022524)	447768.82	
3764437.53	0.50706	(12022524)			
447789.12	3764437.73	0.49778	(12022524)	447805.68	
3764437.34	0.49067	(12122324)			
447824.02	3764437.20	0.48512	(12122324)	447841.61	
3764437.87	0.47898	(12122324)			
447861.72	3764437.53	0.47201	(12122324)	447881.66	
3764435.18	0.46550	(12122324)			
447902.78	3764436.19	0.46407	(12120224)	447920.87	
3764435.35	0.46619	(12120224)			
447942.16	3764435.35	0.46789	(12120224)	447962.77	
3764434.85	0.46959	(12120224)			
447980.70	3764435.18	0.47034	(12120224)	448004.66	
3764435.18	0.47082	(12120224)			
448021.25	3764434.68	0.47100	(12120224)	447662.70	
3764379.63	0.60092	(12080824)			
447681.30	3764320.98	0.61743	(12022524)	447682.64	
3764285.79	0.63222	(12022524)			
447662.53	3764238.37	0.67048	(12022524)	447661.70	
3764207.37	0.68248	(12022524)			
447683.14	3764162.29	0.69450	(12022524)	447680.97	
3764145.87	0.70577	(12022524)			
447679.63	3764130.28	0.71482	(12120224)	447680.80	
3764112.02	0.72960	(12120224)			
447681.47	3764096.43	0.73059	(12120224)	447680.80	
3764078.84	0.75170	(12120224)			
447679.96	3764064.26	0.78202	(12120224)	447680.97	
3764045.82	0.82331	(12120224)			

447680.63	3764029.74	0.86212	(12120224)	447657.17
3763992.03	0.97395	(12120224)		
447656.33	3763967.06	1.05924	(12120224)	447657.17
3763928.69	1.20063	(12120224)		
447657.17	3763902.21	1.31846	(13102424)	447657.51
3763869.03	1.45401	(13102424)		
447656.16	3763834.94	1.57928	(13102424)	447655.93
3763808.27	1.61976	(13102424)		
447657.09	3763786.00	1.63147	(13102424)	447701.21
3763782.14	1.40098	(13102424)		
447856.92	3763749.71	0.87822	(16121124)	447854.99
3763730.13	0.87615	(16121124)		
447854.35	3763698.35	0.88431	(16121124)	447855.31
3763676.84	0.88608	(16121124)		
447675.51	3763287.46	1.44771	(16121124)	448481.33
3763485.29	0.48590	(13102424)		
448479.95	3763195.53	0.67966	(12120224)	448478.56
3762907.16	1.15921	(12120224)		
448497.89	3762714.10	1.40659	(13102424)	448507.91
3762487.71	1.36578	(13102424)		

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*** AERMET - VERSION 16216 ***

*** 15:12:51

PAGE 12

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	1.50008c	(13020624)	448462.73	
3762339.82	1.61135c	(13020624)			
448464.47	3762265.93	1.61493	(13112024)	448461.57	
3762165.17	1.60145	(13112024)			
448472.57	3762064.71	1.19987	(14010624)	448460.48	
3762016.72	1.13543	(14010624)			
448234.63	3761951.18	1.45868b	(13010324)	448081.42	
3761952.78	1.60557c	(15010624)			
448025.53	3761955.99	1.66379c	(15010624)	447506.75	
3761967.63	1.83926c	(15010624)			
447269.29	3761967.74	1.82373m	(15020724)	447389.46	
3761908.79	1.50972c	(15010624)			
447019.14	3761964.34	1.60011m	(15020724)	447060.33	
3761963.58	1.65422m	(15020724)			
446975.31	3761963.20	1.53807m	(15020724)	446940.92	
3761953.76	1.45596c	(15120624)			
446865.72	3761974.54	1.46176c	(15120624)	446795.06	
3761957.91	1.16406c	(15120624)			

446757.65	3761965.85	1.05370c	(15120624)	446709.33
3761967.74	0.94733	(14121624)		
446796.42	3762028.62	1.38092	(14121624)	446796.97
3762045.28	1.45654	(14121624)		
446796.70	3762089.51	1.59479	(14121624)	446796.15
3762105.89	1.61989	(14121624)		
446796.70	3762137.29	1.65383	(14121624)	446796.15
3762153.39	1.65634	(14121624)		
446772.40	3762215.37	1.44802	(14121624)	446795.06
3762321.03	1.34725	(14121624)		
446796.42	3762450.98	0.91294	(12122024)	446796.42
3762471.18	0.85339	(12121624)		
446797.24	3762496.03	0.82676	(12121624)	446798.06
3762516.51	0.82683	(12121624)		
446797.79	3762539.98	0.80808	(12121624)	446797.52
3762560.19	0.79492	(12121624)		
446798.61	3762584.76	0.78659	(12121624)	446798.06
3762604.42	0.78012	(12121624)		
446799.70	3762654.11	0.76857	(12121624)	446799.97
3762674.58	0.76647	(12121624)		
446800.25	3762700.25	0.76403	(12121624)	446800.25
3762721.27	0.76461	(12121624)		
446799.97	3762735.74	0.76518	(12121624)	446797.79
3762748.02	0.76457	(12121624)		
446802.16	3762913.47	0.81627	(12121624)	446802.16
3762932.58	0.82669	(12121624)		
446802.43	3762949.24	0.83706	(12121624)	446802.98
3762967.26	0.84976	(12121624)		
446802.70	3762986.09	0.86423	(12121624)	446802.16
3763003.29	0.87973	(12121624)		
446802.16	3763021.86	0.89805	(12121624)	446802.70
3763040.70	0.91992	(12121624)		
446802.98	3763059.26	0.94335	(12121624)	446803.52
3763077.01	0.96874	(12121624)		
446756.29	3763085.26	0.91926	(12121624)	446807.68
3763646.39	1.50638	(12121624)		
446808.32	3763674.66	1.49308	(12121624)	446807.68
3763694.57	1.46866	(12121624)		
446808.32	3763710.63	1.45912	(12121624)	446808.32
3763726.37	1.44784	(12121624)		
446808.00	3763742.11	1.43688	(12121624)	446808.32
3763756.89	1.43165	(12121624)		
446808.64	3763798.32	1.39398	(12121624)	446810.25
3764484.08	0.75049c	(12091724)		
446781.34	3764475.08	0.72717c	(12091724)	446722.56
3764455.81	0.67118c	(12091724)		
446170.32	3764559.79	0.35183	(12102424)	446872.29
3763190.26	1.41746	(12121624)		
446925.22	3763179.19	1.41409	(12121624)	446984.86
3763194.88	1.53035	(12121624)		
447010.56	3763193.28	1.55999	(12121624)	447036.58
3763193.60	1.61817	(12121624)		
447053.61	3763193.28	1.65483	(12121624)	447076.42
3763192.31	1.69627	(12121624)		
447093.45	3763192.63	1.72409	(12121624)	447122.05
3763192.63	1.76269m	(15020724)		
447138.75	3763192.31	1.77429m	(15020724)	447167.99
3763192.31	1.80610m	(15020724)		
447170.68	3763172.18	1.73381	(12121624)	447170.41
3763158.25	1.69754	(12121624)		
447169.31	3763144.87	1.66697	(12121624)	447147.46
3763107.45	1.52090	(12121624)		

*** AERMOT - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich

Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

15:12:51

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN **
 MICROGRAMS/M³

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	1.48815	(12121624)	447146.92	
3763064.30	1.46835	(12121624)			
447149.92	3763038.90	1.45489	(12121624)	447148.56	
3763019.78	1.42624	(12121624)			
447148.56	3762997.39	1.39857	(12121624)	447206.08	
3762958.49	1.60957	(12121624)			
447209.33	3762922.51	1.60722	(12121624)	447208.40	
3762890.70	1.58852	(12121624)			
447145.83	3762888.87	1.27850	(12121624)	447122.55	
3762889.07	1.20820	(12121624)			
447094.33	3762890.05	1.13912	(12121624)	447071.04	
3762890.45	1.09122	(12121624)			
447043.61	3762889.66	1.04244	(12121624)	447017.76	
3762888.87	1.00308	(12121624)			
446992.11	3762889.07	0.96963	(12121624)	446964.28	
3762888.28	0.93757	(12121624)			
446940.41	3762888.47	0.91375	(12121624)	446911.20	
3762888.08	0.88749	(12121624)			
446885.35	3762889.66	0.86709	(12121624)	446862.07	
3762888.87	0.84888	(12121624)			
446871.45	3762779.57	0.82363	(12121624)	446926.31	
3762768.72	0.86796	(12121624)			
446983.74	3762774.24	0.92731	(12121624)	447009.00	
3762774.05	0.95726	(12121624)			
447030.51	3762774.44	0.98393	(12121624)	447055.37	
3762774.05	1.01921	(12121624)			
447076.88	3762774.24	1.05363	(12121624)	447101.16	
3762774.44	1.09849	(12121624)			
447123.85	3762774.05	1.14327	(12121624)	447148.12	
3762775.03	1.19829	(12121624)			
447170.23	3762774.84	1.25367	(12121624)	447196.78	
3762775.48	1.32879	(12121624)			
447242.12	3762776.57	1.47387	(12121624)	447262.33	
3762776.03	1.53508	(12121624)			
447294.56	3762776.30	1.62963	(12121624)	447313.13	
3762775.48	1.67353	(12121624)			
447313.40	3762749.53	1.61960	(12121624)	447327.86	
3762713.09	1.70531	(12121624)			
447327.36	3762679.87	1.71314	(12121624)	447327.74	
3762657.02	1.69568	(12121624)			
447327.28	3762636.82	1.66728	(12121624)	447327.51	
3762612.90	1.64620	(12121624)			

447327.28	3762592.24	1.64779	(12121624)	447327.04
3762569.71	1.67512	(12121624)		
447327.28	3762547.89	1.73827	(12121624)	447326.58
3762524.67	1.78694	(12121624)		
447326.58	3762506.09	1.83524	(12121624)	447327.51
3762477.53	1.95022m	(15020724)		
447325.88	3762454.31	1.97837m	(15020724)	447225.58
3762432.95	1.78328c	(12120624)		
447200.27	3762430.63	1.77785c	(12120624)	447156.85
3762430.16	1.72589c	(12120624)		
447131.77	3762430.86	1.70101c	(12120624)	447102.74
3762430.63	1.67203c	(13120824)		
447079.06	3762430.86	1.62332c	(13120824)	447034.94
3762433.65	1.48944c	(13120824)		
446995.47	3762433.65	1.41595c	(13120824)	446972.71
3762434.34	1.38374c	(13120824)		
446941.37	3762434.58	1.33902c	(13120824)	446916.06
3762436.90	1.27035c	(13120824)		
446876.35	3762436.90	1.17552	(12122024)	446848.85
3762647.05	0.81330	(12121624)		
446848.85	3762563.17	0.85124	(12121624)	446849.17
3762509.82	0.88507	(12121624)		
446849.17	3762455.82	1.01030	(12122024)	446848.85
3762702.00	0.80130	(12121624)		
446849.49	3762754.71	0.80389		
(12121624)				

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:12:51

PAGE 14

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³ **

DATE

GROUP ID	AVERAGE CONC	DATE	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID	(YYMMDDHH)	RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 1.97837m ON 15020724: AT (447325.88, 3762454.31, 224.52, 224.52, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:12:51

PAGE 15

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1628 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1278 Calm Hours Identified

A Total of 350 Missing Hours Identified (0.80 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 202 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 202 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops PM25\14822 Ops
PM25.ADI
**

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** AERMOD Control Pathway

**
**

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2035210 San_Bernardino_County
POLLUTID PM_2.5
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Ops PM25.err"

CO FINISHED

**

** AERMOD Source Pathway

**

**
**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260
LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500

LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

** Source Parameters **

SRCPARAM VOL1	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL2	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL3	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL4	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL5	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL6	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL7	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL8	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL9	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL10	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL11	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL12	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL13	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL14	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL15	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL16	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL17	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL18	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL19	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL20	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL21	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL22	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL23	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL24	0.0016253727	5.000	44.302	1.400

SRCPARAM VOL25	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL26	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL27	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL28	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL29	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL30	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL31	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL32	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL33	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL34	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL35	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL36	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL37	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL38	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL39	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL40	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL41	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL42	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL43	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL44	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL45	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL46	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL47	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL48	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL49	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL50	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL51	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL52	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL53	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL54	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL55	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL56	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL57	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL58	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL59	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL60	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL61	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL62	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL63	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL64	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL65	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL66	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL67	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL68	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL69	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL70	0.0016253727	5.000	44.302	1.400

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "14822 Ops PM25.rou"

RE FINISHED
**

** AERMOD Meteorology Pathway

**
**

ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC

PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING

RECTABLE ALLAVE 1ST
RECTABLE 24 1ST

** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14822 OPS PM25.AD\24H1GALL.PLT" 31
SUMMFILE "14822 Ops PM25.sum"

OU FINISHED

**

** Project Parameters

** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM North American Datum 1983
** DTMRGN CONUS
** UNITS m
** ZONE 11
** ZONEINX 0
**

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** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops PM25\14822 Ops
PM25.ADI
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*****
** AERMOD Control Pathway
*****
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CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2035210 San_Bernardino_County
POLLUTID PM_2.5
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14822 Ops PM25.err"

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CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260

LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500
LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

** Source Parameters **

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SRCPARAM VOL19	0.0016253727	5.000	44.302	1.400
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SRCPARAM VOL21	0.0016253727	5.000	44.302	1.400
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SRCPARAM VOL30	0.0016253727	5.000	44.302	1.400
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SRCPARAM VOL55	0.0016253727	5.000	44.302	1.400
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SRCPARAM VOL57	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL58	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL59	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL60	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL61	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL62	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL63	0.0016253727	5.000	44.302	1.400
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SRCPARAM VOL66	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL67	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL68	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL69	0.0016253727	5.000	44.302	1.400
SRCPARAM VOL70	0.0016253727	5.000	44.302	1.400
URBANSRC ALL				
SRCGROUP ALL				

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "14822 Ops PM25.rou"

RE FINISHED
**

** AERMOD Meteorology Pathway

**
**

ME STARTING

SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102_2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

OU STARTING

RECTABLE ALLAVE 1ST
RECTABLE 24 1ST

** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14822 OPS PM25.AD\24H1GALL.PLT" 31
SUMMFILE "14822 Ops PM25.sum"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 202 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 202 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/13/22
*** AERMET - VERSION 16216 ***
*** 15:33:36

PAGE 1

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.

VOL52	0	0.16254E-02	447088.9	3763471.6	233.0	5.00	44.30	1.40
YES								
VOL53	0	0.16254E-02	446925.4	3763474.1	232.6	5.00	44.30	1.40
YES								
VOL54	0	0.16254E-02	447361.9	3763470.3	233.5	5.00	44.30	1.40
YES								
VOL55	0	0.16254E-02	447531.7	3763659.5	234.9	5.00	44.30	1.40
YES								
VOL56	0	0.16254E-02	447533.5	3763806.8	235.6	5.00	44.30	1.40
YES								
VOL57	0	0.16254E-02	447359.9	3763658.4	234.1	5.00	44.30	1.40
YES								
VOL58	0	0.16254E-02	447219.0	3763657.1	234.1	5.00	44.30	1.40
YES								
VOL59	0	0.16254E-02	447090.7	3763659.7	234.5	5.00	44.30	1.40
YES								
VOL60	0	0.16254E-02	446930.9	3763659.7	234.2	5.00	44.30	1.40
YES								
VOL61	0	0.16254E-02	447357.4	3763804.3	234.7	5.00	44.30	1.40
YES								
VOL62	0	0.16254E-02	447219.0	3763804.3	234.9	5.00	44.30	1.40
YES								
VOL63	0	0.16254E-02	447093.2	3763805.6	235.8	5.00	44.30	1.40
YES								
VOL64	0	0.16254E-02	446932.2	3763805.6	235.5	5.00	44.30	1.40
YES								
VOL65	0	0.16254E-02	447133.5	3763996.8	237.4	5.00	44.30	1.40
YES								
VOL66	0	0.16254E-02	446943.5	3763996.8	237.4	5.00	44.30	1.40
YES								
VOL67	0	0.16254E-02	447134.7	3764159.1	239.1	5.00	44.30	1.40
YES								
VOL68	0	0.16254E-02	446944.8	3764159.1	240.0	5.00	44.30	1.40
YES								
VOL69	0	0.16254E-02	447136.0	3764318.9	241.0	5.00	44.30	1.40
YES								
VOL70	0	0.16254E-02	446944.8	3764317.6	240.2	5.00	44.30	1.40
YES								

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*** AERMET - VERSION 16216 ***

*** 15:33:36

PAGE 4

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,

VOL39 , VOL40 ,
 VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
 VOL47 , VOL48 ,
 VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
 VOL55 , VOL56 ,
 VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
 VOL63 , VOL64 ,
 VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,

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 *** AERMET - VERSION 16216 ***
 *** 15:33:36

PAGE 5

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
VOL8	2035210. VOL6	VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL7 ,
	VOL9	VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,
	VOL15	VOL16 ,
	VOL17	VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
	VOL23	VOL24 ,
	VOL25	VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
	VOL31	VOL32 ,
	VOL33	VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
	VOL39	VOL40 ,
	VOL41	VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
	VOL47	VOL48 ,
	VOL49	VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
	VOL55	VOL56 ,
	VOL57	VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
	VOL63	VOL64 ,
	VOL65	VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
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 *** AERMET - VERSION 16216 ***
 *** 15:33:36

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/13/22

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*** AERMET - VERSION 16216 ***
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*** 15:33:36

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PAGE 7

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)


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( 447269.3, 3761967.7,    219.7,    219.7,    2.0);
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( 447019.1, 3761964.3,    219.0,    219.0,    2.0);
219.0,      219.0,      2.0);
( 446975.3, 3761963.2,    219.0,    219.0,    2.0);
219.0,      219.0,      2.0);
( 446865.7, 3761974.5,    219.9,    219.9,    2.0);
220.0,      220.0,      2.0);
( 446757.6, 3761965.8,    220.0,    220.0,    2.0);
220.0,      220.0,      2.0);
( 446796.4, 3762028.6,    220.0,    220.0,    2.0);
220.1,      220.1,      2.0);
( 446796.7, 3762089.5,    221.0,    221.0,    2.0);
221.0,      221.0,      2.0);
( 446796.7, 3762137.3,    221.0,    221.0,    2.0);
221.0,      221.0,      2.0);
( 446772.4, 3762215.4,    221.6,    221.6,    2.0);
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( 446796.4, 3762451.0,    224.0,    224.0,    2.0);
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( 446797.2, 3762496.0,    224.9,    224.9,    2.0);
225.3,      225.3,      2.0);
( 446797.8, 3762540.0,    225.7,    225.7,    2.0);
225.9,      225.9,      2.0);
( 446798.6, 3762584.8,    226.1,    226.1,    2.0);
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( 446799.7, 3762654.1,    227.5,    227.5,    2.0);
228.0,      228.0,      2.0);
( 446800.2, 3762700.2,    228.5,    228.5,    2.0);
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( 446800.0, 3762735.7,    228.6,    228.6,    2.0);
( 447389.5, 3761908.8,
( 447060.3, 3761963.6,
( 446940.9, 3761953.8,
( 446795.1, 3761957.9,
( 446709.3, 3761967.7,
( 446797.0, 3762045.3,
( 446796.1, 3762105.9,
( 446796.1, 3762153.4,
( 446795.1, 3762321.0,
( 446796.4, 3762471.2,
( 446798.1, 3762516.5,
( 446797.5, 3762560.2,
( 446798.1, 3762604.4,
( 446800.0, 3762674.6,
( 446800.2, 3762721.3,
( 446797.8, 3762748.0,

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228.6,	228.6,	2.0);				
(446802.2,	3762913.5,	228.3,	228.3,	2.0);	(446802.2,	3762932.6,
228.3,	228.3,	2.0);				
(446802.4,	3762949.2,	228.3,	228.3,	2.0);	(446803.0,	3762967.3,
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(446802.7,	3762986.1,	228.4,	228.4,	2.0);	(446802.2,	3763003.3,
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(446802.2,	3763021.9,	228.8,	228.8,	2.0);	(446802.7,	3763040.7,
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(446803.0,	3763059.3,	229.2,	229.2,	2.0);	(446803.5,	3763077.0,
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(446756.3,	3763085.3,	228.7,	228.7,	2.0);	(446807.7,	3763646.4,
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(446808.3,	3763710.6,	235.0,	235.0,	2.0);	(446808.3,	3763726.4,
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(446808.0,	3763742.1,	235.0,	235.0,	2.0);	(446808.3,	3763756.9,
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(446925.2,	3763179.2,	231.6,	231.6,	2.0);	(446984.9,	3763194.9,
231.4,	231.4,	2.0);				
(447010.6,	3763193.3,	231.7,	231.7,	2.0);	(447036.6,	3763193.6,
231.7,	231.7,	2.0);				
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231.8,	231.8,	2.0);				
(447093.5,	3763192.6,	231.9,	231.9,	2.0);	(447122.0,	3763192.6,
231.7,	231.7,	2.0);				
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231.6,	231.6,	2.0);				
(447170.7,	3763172.2,	231.4,	231.4,	2.0);	(447170.4,	3763158.2,
231.2,	231.2,	2.0);				
(447169.3,	3763144.9,	231.2,	231.2,	2.0);	(447147.5,	3763107.4,
231.5,	231.5,	2.0);				
(447146.6,	3763084.2,	231.4,	231.4,	2.0);	(447146.9,	3763064.3,
231.1,	231.1,	2.0);				
(447149.9,	3763038.9,	230.8,	230.8,	2.0);	(447148.6,	3763019.8,
230.6,	230.6,	2.0);				
(447148.6,	3762997.4,	230.2,	230.2,	2.0);	(447206.1,	3762958.5,
229.5,	229.5,	2.0);				
(447209.3,	3762922.5,	229.1,	229.1,	2.0);	(447208.4,	3762890.7,
228.9,	228.9,	2.0);				
(447145.8,	3762888.9,	228.9,	228.9,	2.0);	(447122.5,	3762889.1,
228.9,	228.9,	2.0);				
(447094.3,	3762890.0,	228.9,	228.9,	2.0);	(447071.0,	3762890.4,
229.0,	229.0,	2.0);				
(447043.6,	3762889.7,	228.9,	228.9,	2.0);	(447017.8,	3762888.9,
228.9,	228.9,	2.0);				
(446992.1,	3762889.1,	228.9,	228.9,	2.0);	(446964.3,	3762888.3,
228.9,	228.9,	2.0);				
(446940.4,	3762888.5,	228.8,	228.8,	2.0);	(446911.2,	3762888.1,
228.6,	228.6,	2.0);				
(446885.3,	3762889.7,	228.6,	228.6,	2.0);	(446862.1,	3762888.9,
228.6,	228.6,	2.0);				

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
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*** AERMET - VERSION 16216 ***

*** 15:33:36

21.	7.9	282.0	2.0											
12 01 01	1 07	-7.6	0.115	-9.000	-9.000	-999.	93.	17.4	0.09	1.12	1.00	1.40		
31.	7.9	282.5	2.0											
12 01 01	1 08	-13.6	0.184	-9.000	-9.000	-999.	190.	40.5	0.09	1.12	0.54	2.16		
34.	7.9	284.2	2.0											
12 01 01	1 09	28.4	0.126	0.300	0.011	33.	108.	-6.2	0.09	1.12	0.32	1.03		
29.	7.9	289.2	2.0											
12 01 01	1 10	79.8	0.133	0.607	0.010	99.	116.	-2.6	0.09	1.12	0.25	0.94		
173.	7.9	292.5	2.0											
12 01 01	1 11	115.8	0.137	0.932	0.006	246.	121.	-2.0	0.09	1.12	0.22	0.92		
172.	7.9	295.4	2.0											
12 01 01	1 12	133.7	0.139	1.197	0.005	453.	125.	-1.8	0.09	1.12	0.21	0.92		
146.	7.9	297.5	2.0											
12 01 01	1 13	133.2	0.160	1.354	0.005	657.	153.	-2.7	0.09	1.12	0.21	1.14		
117.	7.9	299.9	2.0											
12 01 01	1 14	113.5	0.159	1.454	0.005	955.	151.	-3.1	0.09	1.12	0.23	1.16		
285.	7.9	300.9	2.0											
12 01 01	1 15	76.2	0.166	1.350	0.005	1138.	163.	-5.3	0.09	1.12	0.26	1.33		
72.	7.9	302.0	2.0											
12 01 01	1 16	23.5	0.175	0.925	0.005	1183.	175.	-19.9	0.09	1.12	0.35	1.65		
107.	7.9	301.4	2.0											
12 01 01	1 17	-6.1	0.107	-9.000	-9.000	-999.	86.	18.0	0.09	1.12	0.63	1.31		
107.	7.9	298.1	2.0											
12 01 01	1 18	-11.1	0.141	-9.000	-9.000	-999.	127.	22.1	0.09	1.12	1.00	1.69		
86.	7.9	293.1	2.0											
12 01 01	1 19	-3.2	0.076	-9.000	-9.000	-999.	51.	11.8	0.09	1.12	1.00	0.91		
64.	7.9	292.0	2.0											
12 01 01	1 20	-2.3	0.066	-9.000	-9.000	-999.	41.	11.2	0.09	1.12	1.00	0.74		
73.	7.9	288.8	2.0											
12 01 01	1 21	-10.0	0.133	-9.000	-9.000	-999.	116.	20.5	0.09	1.12	1.00	1.60		
14.	7.9	288.1	2.0											
12 01 01	1 22	-19.4	0.201	-9.000	-9.000	-999.	216.	44.5	0.09	1.12	1.00	2.36		
22.	7.9	287.5	2.0											
12 01 01	1 23	-23.7	0.246	-9.000	-9.000	-999.	293.	66.5	0.09	1.12	1.00	2.86		
40.	7.9	287.0	2.0											
12 01 01	1 24	-12.3	0.147	-9.000	-9.000	-999.	139.	23.8	0.09	1.12	1.00	1.76		
40.	7.9	283.8	2.0											

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	43.	2.03	286.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

15:33:36

PAGE 11

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):	VOL1	VOL2	VOL3	VOL4	VOL5	VOL6	VOL7	VOL8	VOL9	VOL10	VOL11	VOL12	VOL13	VOL14	VOL15	VOL16	VOL17	VOL18	VOL19	VOL20	VOL21	VOL22	VOL23	VOL24	VOL25	VOL26	VOL27	VOL28

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.36850	(12080824)	447375.98	
3764150.98	0.41790c	(12091724)			
447389.75	3764043.04	0.45013	(12080824)	447450.16	
3764031.05	0.41213	(14021824)			
447410.18	3764019.05	0.44734	(14021824)	446891.90	
3764451.22	0.37493c	(12091724)			
446959.28	3764451.22	0.40302c	(12091724)	446995.28	
3764468.13	0.38229c	(12091724)			
447007.41	3764467.30	0.38468c	(12091724)	447023.51	
3764466.09	0.38689c	(12091724)			
447036.59	3764466.21	0.38691c	(12091724)	447052.68	
3764465.61	0.38832c	(12091724)			
447066.60	3764465.73	0.38841c	(12091724)	447099.65	
3764456.17	0.42077	(14021824)			
447145.28	3764468.27	0.38952	(14021824)	447175.54	
3764468.03	0.36711	(14021824)			
447205.32	3764468.27	0.34489	(14021824)	447232.43	
3764467.55	0.32888c	(12091724)			
447264.02	3764467.30	0.31618	(12080824)	447294.77	
3764466.94	0.30725	(12080824)			
447364.97	3764456.41	0.29329	(12080824)	447406.61	
3764460.65	0.28053	(12080824)			
447441.47	3764460.04	0.27651	(12080824)	447466.88	
3764460.20	0.27074	(12080824)			
447490.00	3764460.56	0.26705	(12080824)	447515.50	
3764460.40	0.26157	(12080824)			
447573.06	3764454.29	0.24973	(12080824)	447598.49	
3764445.22	0.24632	(12080824)			
447652.90	3764439.70	0.23400	(12080824)	447692.92	
3764439.51	0.22225	(12022524)			
447713.82	3764439.11	0.21797	(12022524)	447731.95	
3764438.72	0.21544	(12022524)			
447751.07	3764438.72	0.21154	(12022524)	447768.82	
3764437.53	0.20832	(12022524)			
447789.12	3764437.73	0.20450	(12022524)	447805.68	
3764437.34	0.20158	(12122324)			
447824.02	3764437.20	0.19930	(12122324)	447841.61	
3764437.87	0.19678	(12122324)			
447861.72	3764437.53	0.19391	(12122324)	447881.66	
3764435.18	0.19124	(12122324)			
447902.78	3764436.19	0.19065	(12120224)	447920.87	
3764435.35	0.19152	(12120224)			
447942.16	3764435.35	0.19222	(12120224)	447962.77	
3764434.85	0.19292	(12120224)			
447980.70	3764435.18	0.19323	(12120224)	448004.66	
3764435.18	0.19343	(12120224)			
448021.25	3764434.68	0.19350	(12120224)	447662.70	
3764379.63	0.24687	(12080824)			
447681.30	3764320.98	0.25366	(12022524)	447682.64	
3764285.79	0.25973	(12022524)			
447662.53	3764238.37	0.27545	(12022524)	447661.70	
3764207.37	0.28038	(12022524)			
447683.14	3764162.29	0.28532	(12022524)	447680.97	
3764145.87	0.28995	(12022524)			
447679.63	3764130.28	0.29367	(12120224)	447680.80	
3764112.02	0.29974	(12120224)			
447681.47	3764096.43	0.30015	(12120224)	447680.80	
3764078.84	0.30882	(12120224)			
447679.96	3764064.26	0.32128	(12120224)	447680.97	
3764045.82	0.33824	(12120224)			

447680.63	3764029.74	0.35418	(12120224)	447657.17
3763992.03	0.40013	(12120224)		
447656.33	3763967.06	0.43517	(12120224)	447657.17
3763928.69	0.49325	(12120224)		
447657.17	3763902.21	0.54166	(13102424)	447657.51
3763869.03	0.59735	(13102424)		
447656.16	3763834.94	0.64881	(13102424)	447655.93
3763808.27	0.66544	(13102424)		
447657.09	3763786.00	0.67025	(13102424)	447701.21
3763782.14	0.57556	(13102424)		
447856.92	3763749.71	0.36080	(16121124)	447854.99
3763730.13	0.35995	(16121124)		
447854.35	3763698.35	0.36330	(16121124)	447855.31
3763676.84	0.36403	(16121124)		
447675.51	3763287.46	0.59476	(16121124)	448481.33
3763485.29	0.19962	(13102424)		
448479.95	3763195.53	0.27922	(12120224)	448478.56
3762907.16	0.47624	(12120224)		
448497.89	3762714.10	0.57787	(13102424)	448507.91
3762487.71	0.56110	(13102424)		

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*** AERMET - VERSION 16216 ***

*** 15:33:36

PAGE 12

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	0.61628c	(13020624)	448462.73	
3762339.82	0.66199c	(13020624)			
448464.47	3762265.93	0.66346	(13112024)	448461.57	
3762165.17	0.65792	(13112024)			
448472.57	3762064.71	0.49294	(14010624)	448460.48	
3762016.72	0.46647	(14010624)			
448234.63	3761951.18	0.59927b	(13010324)	448081.42	
3761952.78	0.65961c	(15010624)			
448025.53	3761955.99	0.68353c	(15010624)	447506.75	
3761967.63	0.75562c	(15010624)			
447269.29	3761967.74	0.74924m	(15020724)	447389.46	
3761908.79	0.62023c	(15010624)			
447019.14	3761964.34	0.65737m	(15020724)	447060.33	
3761963.58	0.67960m	(15020724)			
446975.31	3761963.20	0.63188m	(15020724)	446940.92	
3761953.76	0.59815c	(15120624)			
446865.72	3761974.54	0.60053c	(15120624)	446795.06	
3761957.91	0.47823c	(15120624)			

446757.65	3761965.85	0.43289c	(15120624)	446709.33
3761967.74	0.38919	(14121624)		
446796.42	3762028.62	0.56732	(14121624)	446796.97
3762045.28	0.59839	(14121624)		
446796.70	3762089.51	0.65519	(14121624)	446796.15
3762105.89	0.66549	(14121624)		
446796.70	3762137.29	0.67944	(14121624)	446796.15
3762153.39	0.68047	(14121624)		
446772.40	3762215.37	0.59489	(14121624)	446795.06
3762321.03	0.55349	(14121624)		
446796.42	3762450.98	0.37506	(12122024)	446796.42
3762471.18	0.35060	(12121624)		
446797.24	3762496.03	0.33966	(12121624)	446798.06
3762516.51	0.33969	(12121624)		
446797.79	3762539.98	0.33198	(12121624)	446797.52
3762560.19	0.32657	(12121624)		
446798.61	3762584.76	0.32315	(12121624)	446798.06
3762604.42	0.32050	(12121624)		
446799.70	3762654.11	0.31575	(12121624)	446799.97
3762674.58	0.31489	(12121624)		
446800.25	3762700.25	0.31389	(12121624)	446800.25
3762721.27	0.31412	(12121624)		
446799.97	3762735.74	0.31436	(12121624)	446797.79
3762748.02	0.31411	(12121624)		
446802.16	3762913.47	0.33535	(12121624)	446802.16
3762932.58	0.33963	(12121624)		
446802.43	3762949.24	0.34389	(12121624)	446802.98
3762967.26	0.34911	(12121624)		
446802.70	3762986.09	0.35505	(12121624)	446802.16
3763003.29	0.36142	(12121624)		
446802.16	3763021.86	0.36894	(12121624)	446802.70
3763040.70	0.37793	(12121624)		
446802.98	3763059.26	0.38755	(12121624)	446803.52
3763077.01	0.39798	(12121624)		
446756.29	3763085.26	0.37766	(12121624)	446807.68
3763646.39	0.61886	(12121624)		
446808.32	3763674.66	0.61340	(12121624)	446807.68
3763694.57	0.60337	(12121624)		
446808.32	3763710.63	0.59945	(12121624)	446808.32
3763726.37	0.59481	(12121624)		
446808.00	3763742.11	0.59031	(12121624)	446808.32
3763756.89	0.58816	(12121624)		
446808.64	3763798.32	0.57268	(12121624)	446810.25
3764484.08	0.30832c	(12091724)		
446781.34	3764475.08	0.29874c	(12091724)	446722.56
3764455.81	0.27574c	(12091724)		
446170.32	3764559.79	0.14454	(12102424)	446872.29
3763190.26	0.58233	(12121624)		
446925.22	3763179.19	0.58095	(12121624)	446984.86
3763194.88	0.62871	(12121624)		
447010.56	3763193.28	0.64089	(12121624)	447036.58
3763193.60	0.66479	(12121624)		
447053.61	3763193.28	0.67985	(12121624)	447076.42
3763192.31	0.69687	(12121624)		
447093.45	3763192.63	0.70830	(12121624)	447122.05
3763192.63	0.72416m	(15020724)		
447138.75	3763192.31	0.72893m	(15020724)	447167.99
3763192.31	0.74199m	(15020724)		
447170.68	3763172.18	0.71230	(12121624)	447170.41
3763158.25	0.69740	(12121624)		
447169.31	3763144.87	0.68484	(12121624)	447147.46
3763107.45	0.62483	(12121624)		

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
MICROGRAMS/M³ **

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.61137	(12121624)	447146.92	
3763064.30	0.60324	(12121624)			
447149.92	3763038.90	0.59771	(12121624)	447148.56	
3763019.78	0.58594	(12121624)			
447148.56	3762997.39	0.57457	(12121624)	447206.08	
3762958.49	0.66126	(12121624)			
447209.33	3762922.51	0.66029	(12121624)	447208.40	
3762890.70	0.65261	(12121624)			
447145.83	3762888.87	0.52524	(12121624)	447122.55	
3762889.07	0.49636	(12121624)			
447094.33	3762890.05	0.46798	(12121624)	447071.04	
3762890.45	0.44831	(12121624)			
447043.61	3762889.66	0.42826	(12121624)	447017.76	
3762888.87	0.41209	(12121624)			
446992.11	3762889.07	0.39835	(12121624)	446964.28	
3762888.28	0.38518	(12121624)			
446940.41	3762888.47	0.37539	(12121624)	446911.20	
3762888.08	0.36461	(12121624)			
446885.35	3762889.66	0.35622	(12121624)	446862.07	
3762888.87	0.34875	(12121624)			
446871.45	3762779.57	0.33837	(12121624)	446926.31	
3762768.72	0.35658	(12121624)			
446983.74	3762774.24	0.38096	(12121624)	447009.00	
3762774.05	0.39327	(12121624)			
447030.51	3762774.44	0.40423	(12121624)	447055.37	
3762774.05	0.41872	(12121624)			
447076.88	3762774.24	0.43286	(12121624)	447101.16	
3762774.44	0.45129	(12121624)			
447123.85	3762774.05	0.46969	(12121624)	447148.12	
3762775.03	0.49229	(12121624)			
447170.23	3762774.84	0.51504	(12121624)	447196.78	
3762775.48	0.54590	(12121624)			
447242.12	3762776.57	0.60551	(12121624)	447262.33	
3762776.03	0.63065	(12121624)			
447294.56	3762776.30	0.66950	(12121624)	447313.13	
3762775.48	0.68753	(12121624)			
447313.40	3762749.53	0.66538	(12121624)	447327.86	
3762713.09	0.70059	(12121624)			
447327.36	3762679.87	0.70381	(12121624)	447327.74	
3762657.02	0.69663	(12121624)			
447327.28	3762636.82	0.68497	(12121624)	447327.51	
3762612.90	0.67630	(12121624)			

447327.28	3762592.24	0.67696	(12121624)	447327.04
3762569.71	0.68818	(12121624)		
447327.28	3762547.89	0.71413	(12121624)	447326.58
3762524.67	0.73412	(12121624)		
447326.58	3762506.09	0.75397	(12121624)	447327.51
3762477.53	0.80121m	(15020724)		
447325.88	3762454.31	0.81277m	(15020724)	447225.58
3762432.95	0.73262c	(12120624)		
447200.27	3762430.63	0.73039c	(12120624)	447156.85
3762430.16	0.70904c	(12120624)		
447131.77	3762430.86	0.69882c	(12120624)	447102.74
3762430.63	0.68691c	(13120824)		
447079.06	3762430.86	0.66691c	(13120824)	447034.94
3762433.65	0.61190c	(13120824)		
446995.47	3762433.65	0.58171c	(13120824)	446972.71
3762434.34	0.56848c	(13120824)		
446941.37	3762434.58	0.55011c	(13120824)	446916.06
3762436.90	0.52190c	(13120824)		
446876.35	3762436.90	0.48294	(12122024)	446848.85
3762647.05	0.33413	(12121624)		
446848.85	3762563.17	0.34971	(12121624)	446849.17
3762509.82	0.36361	(12121624)		
446849.17	3762455.82	0.41506	(12122024)	446848.85
3762702.00	0.32920	(12121624)		
446849.49	3762754.71	0.33026		
(12121624)				

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:33:36

PAGE 14

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_{2.5} IN MICROGRAMS/M³ **

GROUP ID	AVERAGE CONC	DATE	NETWORK
(ZELEV, ZHILL, ZFLAG)	(OF TYPE GRID-ID)	(YYMMDDHH)	RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 0.81277m ON 15020724: AT (447325.88, 3762454.31, 224.52, 224.52, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/13/22

*** AERMET - VERSION 16216 ***

*** 15:33:36

PAGE 15

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1628 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1278 Calm Hours Identified

A Total of 350 Missing Hours Identified (0.80 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 202 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 202 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

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**Rich-Haven Specific Plan, 2022
Amendment
MOBILE SOURCE HEALTH RISK ASSESSMENT
CITY OF ONTARIO**

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NOVEMBER 8, 2022

TABLE OF CONTENTS

TABLE OF CONTENTS	I
APPENDICES	I
LIST OF EXHIBITS	II
LIST OF TABLES	II
LIST OF ABBREVIATED TERMS	III
EXECUTIVE SUMMARY	1
1 INTRODUCTION	5
1.1 Background and Project Description.....	6
2 BACKGROUND	11
2.1 Background on Recommended Methodology.....	11
2.2 Construction Health Risk Assessment.....	11
2.3 Operational Health Risk Assessment.....	15
2.4 Exposure Quantification.....	22
2.5 Carcinogenic Chemical Risk.....	23
2.6 Non-carcinogenic Exposures.....	24
2.7 Potential Project-Related TAC Source Cancer and Non-Cancer Risks.....	25
3 REFERENCES	30
4 CERTIFICATIONS	32

APPENDICES

- APPENDIX 2.1: CALEEMOD OUTPUTS**
- APPENDIX 2.2: EMFAC EMISSIONS SUMMARY**
- APPENDIX 2.3: AERMOD MODEL INPUT/OUTPUT**
- APPENDIX 2.4: RISK CALCULATIONS**

LIST OF EXHIBITS

EXHIBIT 1-A: LOCATION MAP 8
EXHIBIT 1-B: LAND USE PLAN 9
EXHIBIT 2-A: MODELED CONSTRUCTION EMISSION SOURCES 14
EXHIBIT 2-B: MODELED ON-SITE EMISSION SOURCES 19
EXHIBIT 2-C: MODELED OFF-SITE EMISSION SOURCES 20
EXHIBIT 2-D: RECEPTOR LOCATIONS..... 28

LIST OF TABLES

TABLE ES-1: SUMMARY OF CONSTRUCTION-SOURCE TAC CANCER AND NON-CANCER RISKS 3
TABLE ES-2: SUMMARY OF OPERATIONAL CANCER AND NON-CANCER RISKS..... 3
TABLE ES-3: SUMMARY OF CONSTRUCTION-SOURCE TAC AND OPERATIONAL CANCER AND NON-
CANCER RISKS..... 4
TABLE 2-1: CONSTRUCTION DURATION 12
TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS..... 12
TABLE 2-3: 2027 WEIGHTED AVERAGE DPM EMISSIONS FACTORS 16
TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2027 ANALYSIS YEAR) 21
TABLE 2-5: AERMOD MODEL PARAMETERS..... 22
TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (CONSTRUCTION ACTIVITY) 23

LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard Assessment
PM10	Particulate Matter 10 microns in diameter or less
Project	Rich-Haven Specific Plan, 2022 Amendment
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TA	Traffic Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

This report evaluates the potential health risk impacts to sensitive receptors and adjacent workers associated with the development of the proposed Project. More specifically, potential health risk impacts resulting from exposure to Toxic Air Contaminants (TACs) including diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site and TACs from Project gas stations. This section summarizes the significance criteria and Project health risks.

The results of the health risk assessment from Project-generated TAC emissions are provided in Table ES-1, ES-2, and ES-3 below for the Project.

CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R5 which is an existing on-site residence located at 3959 S. Sunrise Avenue. R5 is placed at the private outdoor living area (backyard) facing the Project site. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 1.21 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated on Exhibit 2-D.

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source TAC emissions is Location R5 which is an existing on-site residence located at 3959 S. Sunrise Avenue. R5 is placed at the private outdoor living area (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source TAC emissions is estimated at 4.77 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.03, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site and primary truck route than the MEIR analyzed herein, and TACs generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The nearest modeled receptors are illustrated on Exhibit 2-D.

Worker Exposure Scenario¹:

The worker receptor land use with the greatest potential exposure to Project operational-source DPM emissions is Location R9, which represents the potential worker receptor located approximately 201 feet east of the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is 0.94 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.06, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and TACs dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 2-D.

School Child Exposure Scenario:

The nearest school is Colony High School, which is located adjacent to the Project site to the north. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact attributable to the Project is calculated to be 0.37 in one million, which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be 0.01, which would not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

COMBINED CONSTRUCTION AND OPERATIONAL IMPACTS

Over the life of the Project, it is possible that certain nearby residents and workers could be subject to the combined effects of construction-source and operational-source TACs. The land use with the greatest potential exposure to combined construction-source and operational-source TACs is Location R5. At the MEIR, the maximum incremental cancer risk attributable to combined Project construction and operational TAC emissions is estimated at 5.98 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.03, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction and operational activity. All other receptors during construction and operational activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated on Exhibit 2-D.

1 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

TABLE ES-1: SUMMARY OF CONSTRUCTION-SOURCE TAC CANCER AND NON-CANCER RISKS

Exposure Scenario	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
4 Year Exposure	Maximum Exposed Sensitive Receptor	1.21	10	NO
Exposure Scenario	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO

TABLE ES-2: SUMMARY OF OPERATIONAL CANCER AND NON-CANCER RISKS

Exposure Scenario	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	4.77	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.94	10	NO
9 Year Exposure	Maximum Exposed School Child Receptor	0.37	10	NO
Exposure Scenario	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	0.03	1.0	NO
Annual Average	Maximum Exposed Worker Receptor	0.06	1.0	NO
Annual Average	Maximum Exposed School Child Receptor	0.01	1.0	NO

TABLE ES-3: SUMMARY OF CONSTRUCTION-SOURCE TAC AND OPERATIONAL CANCER AND NON-CANCER RISKS

Exposure Scenario	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	5.98	10	NO
Exposure Scenario	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	0.03	1.0	NO

1 INTRODUCTION

The South Coast Air Quality Management District (SCAQMD) typically issues a comment letter on the Notice of Preparation of a CEQA Document. Per the SCAQMD's typical comment letter, if a proposed Project is expected to generate/attract diesel trucks, which emit diesel particulate matter (DPM) or other Toxic Air Contaminants (TACs), preparation of a HRA is necessary. This document serves to meet the SCAQMD's request for preparation of a HRA. This HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to TAC exposure from development proposals such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution (2)*. In this report the AQMD states (Page D-3):

"...the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is $HI > 1.0$ while the cumulative (facility-wide) is $HI > 3.0$. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.

Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less than one (1.0) means that adverse health effects are not expected. In this HRA, non-carcinogenic exposures of less than 1.0 are considered less-than-significant. Both the cancer risk and non-carcinogenic risk thresholds are applied to the nearest sensitive receptors below.

1.1 BACKGROUND AND PROJECT DESCRIPTION

The Rich-Haven Specific Plan (RHSP) was approved by the City of Ontario in 2015, with subsequent Specific Plan Amendments approved in 2016, 2018, and 2021. The current (2021) Rich-Haven Specific Plan (“2021 Specific Plan”) comprises approximately 584 acres located west of Interstate 15 (I-15), and south of State Route 60 (SR-60). The 2021 Specific Plan Area lies within the 8,200-acre Ontario Ranch area, bounded generally by Riverside Drive to the north, “Old” East Edison Avenue [alignment] to the south, Mill Creek Avenue and Hamner Avenue to the east, and Haven Avenue to the west. The location and boundaries of the 2022 RHSP Specific Plan Amendment evaluated herein coincide with the location and boundaries in the 2021 Specific Plan. Location of the Project is presented at Exhibit 1-A.

The 2021 Specific Plan entitlements allow for development of up to 7,194 dwelling units (all residential types), up to 990,902 square feet of commercial/office space, up to 1,183,525 square feet of light industrial uses, approximately 27 acres of public parkland, and approximately 20 acres of Southern California Edison (SCE) Parcel open space and SCE Easements. The 2022 RHSP Specific Plan Amendment (2022 Specific Plan Amendment, Project) evaluated in here proposes a new amendment of the RHSP as described herein.

Under the proposed 2022 RHSP Specific Plan Amendment, the Specific Plan Area would be developed with up to 7,194 dwelling units, up to 925,002 square feet of commercial space, and up to 2,767,148 square feet of light industrial uses. Other existing RHSP land uses, e.g., public parkland, Southern California Edison (SCE) Parcel open space and SCE Easements would not be substantively affected under the 2022 RHSP Specific Plan Amendment. This EIR evaluates potential environmental impacts of entire buildout of the Specific Plan Area that would result from the 2022 RHSP Specific Plan Amendment.

In summary, the proposed 2022 Specific Plan Amendment would result in the following primary revisions to the 2021 Specific Plan:

- Total residential development within the Specific Plan Area would be maintained at 7,194 dwelling units. Residential units and residential densities would however be reassigned within the Specific Plan Area.
- Total commercial development would be reduced by approximately 65,900 square feet, an approximate 6.7 percent reduction in the 2021 Specific Plan commercial entitlements.
- Total light industrial development would be increased by approximately 1,583,623 square feet, an approximate 134 percent increase from the 2021 Specific Plan Amendment.

Other aspects and attributes of the 2021 Specific Plan would be substantively maintained under the proposed 2022 Specific Plan Amendment.

Note that portions of Planning Areas 3A and 4A within the Project site have been developed. Planning Areas 2, 3, 4A, 5C, 6, 10, and portions of 7, 8, and 9 are anticipated to be developed as part of the first phase with an anticipated Opening Year of 2024. Project Buildout and of Phase 2 is anticipated in Year 2027. Project Planning Areas and Phases are illustrated at Exhibit 1-B.

According to the *Rich-Haven Specific Plan, 2022 Amendment Traffic Analysis*, the proposed Project is anticipated to generate a total of 95,552 two-way vehicle trips per day including 94,408 two-way passenger vehicle trips and 1,144 two-way truck trips per day (in actual vehicles) (3).

EXHIBIT 1-A: LOCATION MAP

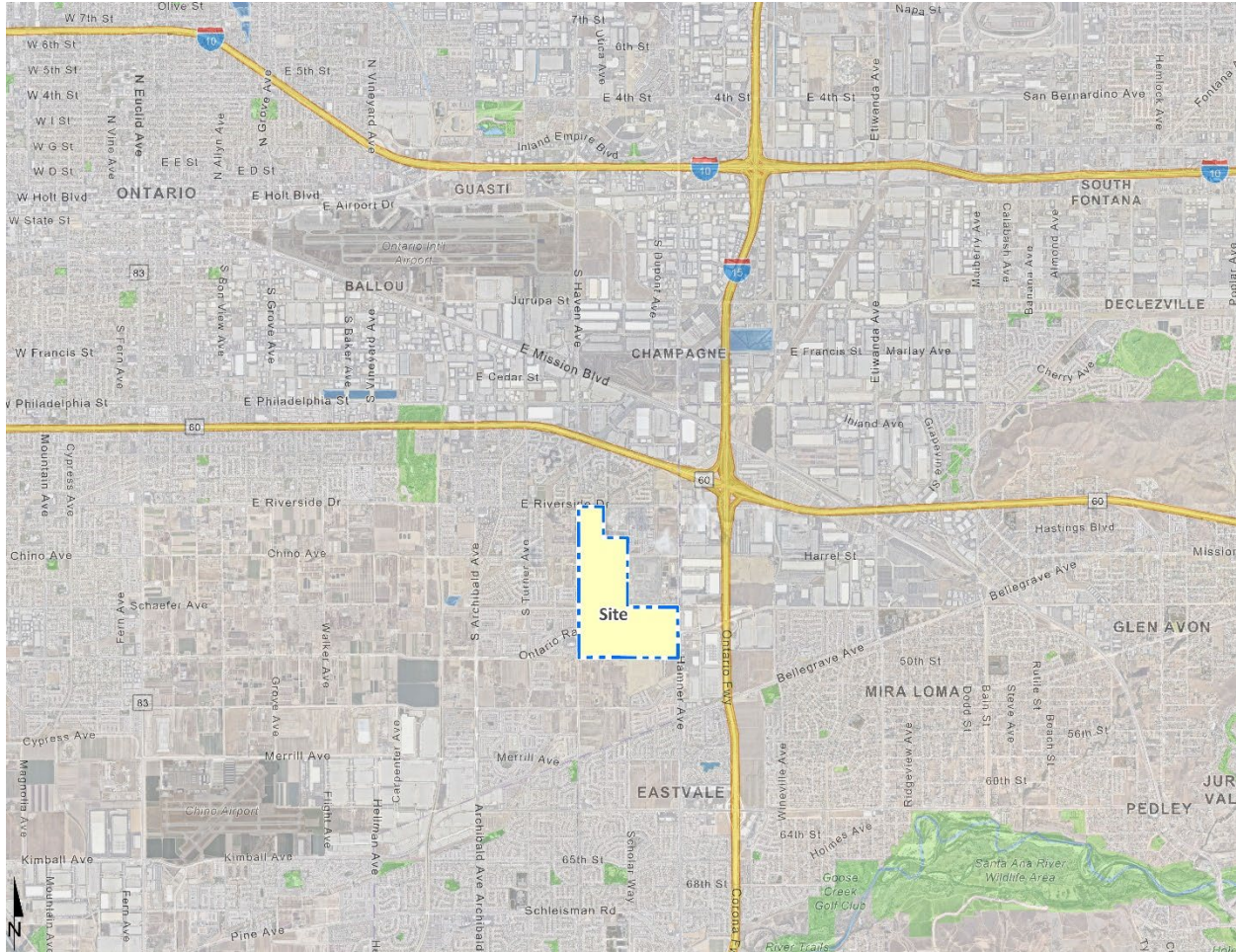
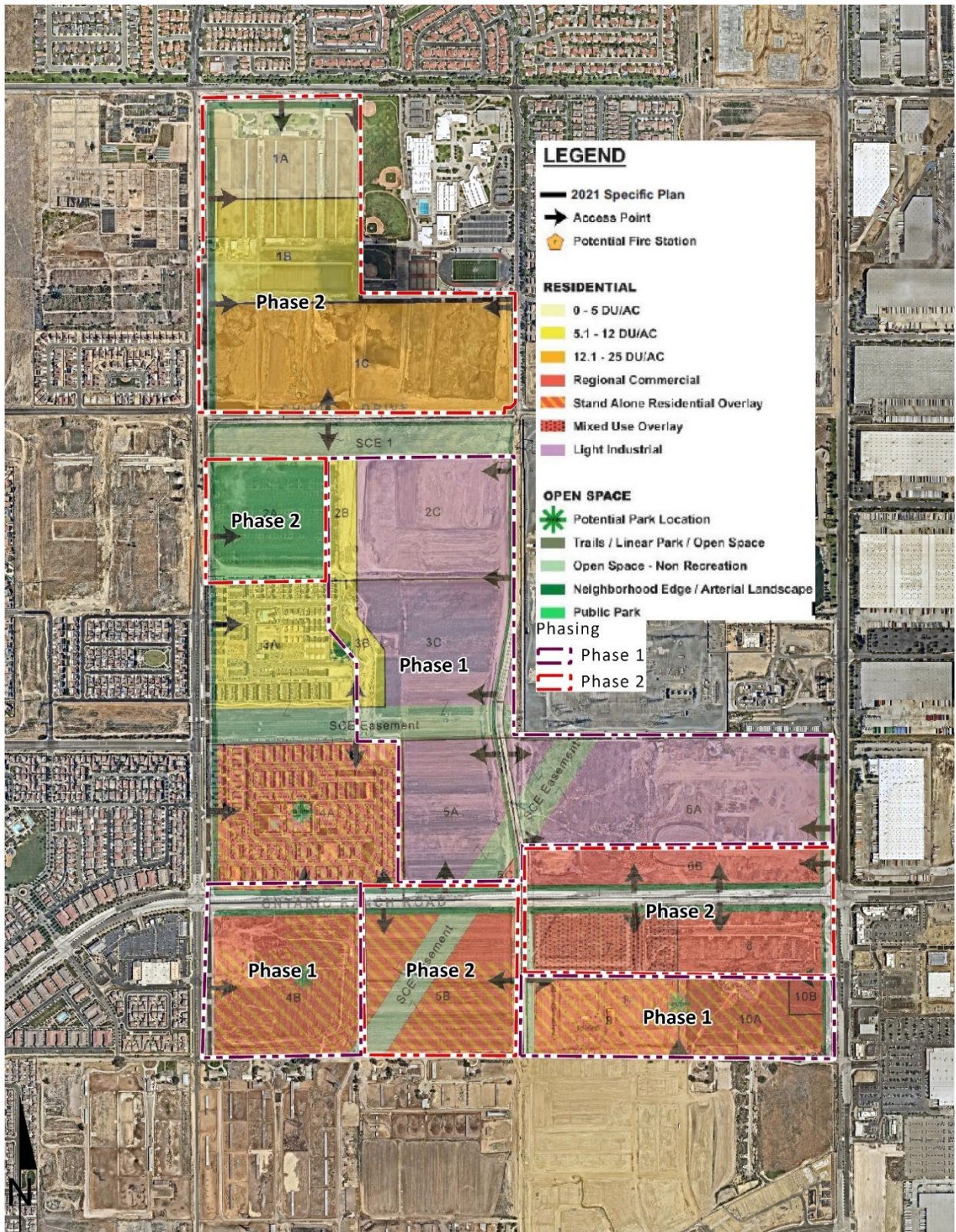


EXHIBIT 1-B: LAND USE PLAN



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2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

This HRA is based on SCAQMD guidelines to produce conservative estimates of human health risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per $\mu\text{g}/\text{m}^3$ is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95th percentile URF represents a very conservative (health-protective) risk posed by DPM because it represents breathing rates that are high for the human body (95% higher than the average population).
- The emissions derived assume that every truck accessing the Project site will idle for 15 minutes under the unmitigated scenario, and this is an overestimation of actual idling times and thus conservative.² The California Air Resources Board (CARB's) anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

2.2 CONSTRUCTION HEALTH RISK ASSESSMENT

2.2.1 EMISSIONS CALCULATIONS

The emissions calculations for the construction HRA component are based on an assumed mix of construction equipment and hauling activity as presented in the *Rich-Haven Specific Plan, 2022 Amendment Air Quality Impact Analysis* ("technical study") prepared by Urban Crossroads, Inc. (4)

Construction related DPM emissions are expected to occur primarily as a function of heavy-duty construction equipment that would be operating on-site.

As discussed in the technical study, the Project would result in approximately 1,044 total working-days of construction activity. The construction duration by phase is shown on Table 2-1. A detailed summary of construction equipment assumptions by phase is provided at Table 2-2. The CalEEMod emissions outputs are presented in Appendix 2.1. The modeled emission sources for construction activity are illustrated on Exhibit 2-A.

² Although the Project is required to comply with ARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, in person, with Jillian Wong, December 22, 2016), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

TABLE 2-1: CONSTRUCTION DURATION

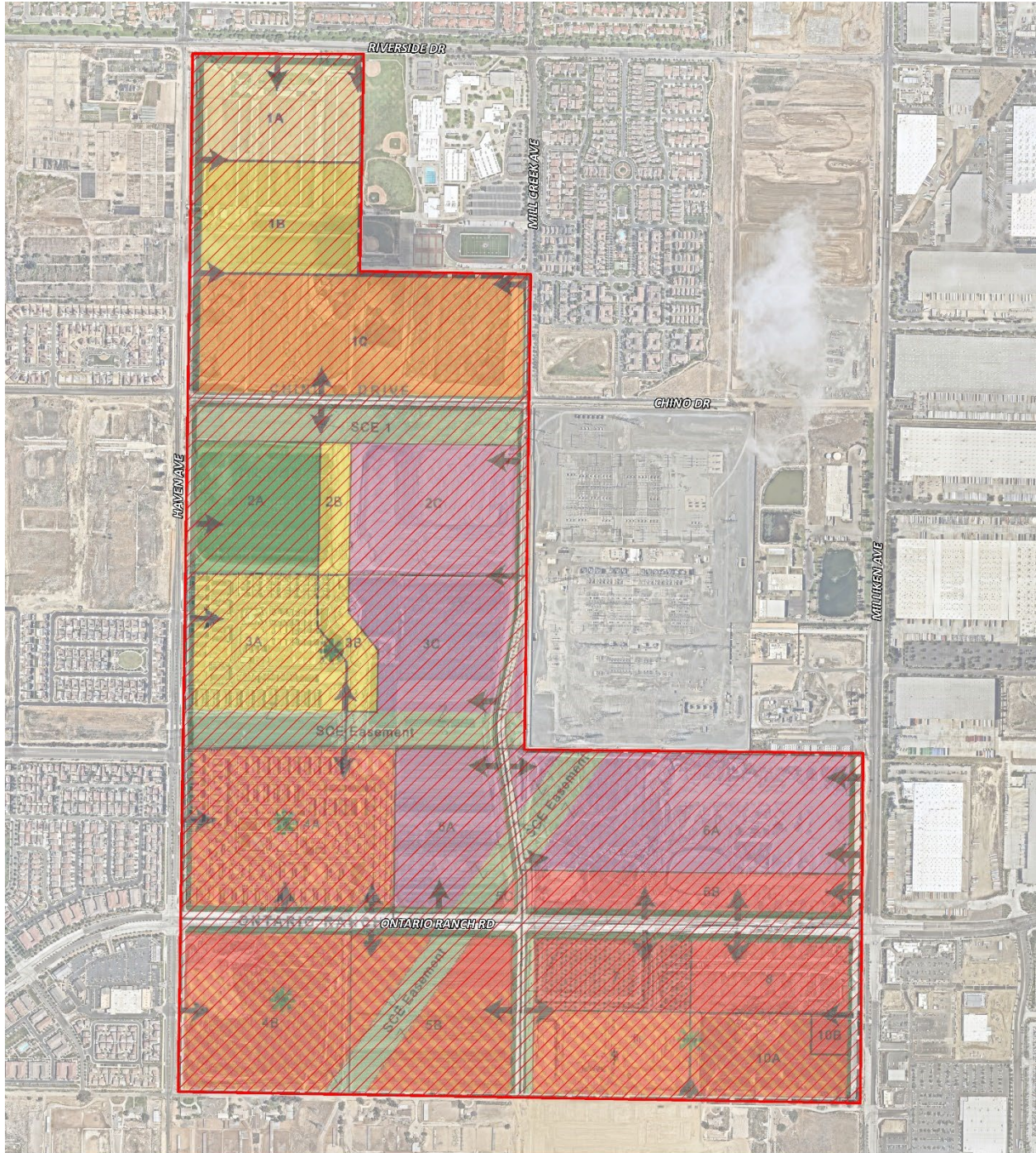
Phase	Construction Activity	Start Date	End Date	Days
Phase 1	Site Preparation	1/1/2023	4/30/2023	85
	Grading	5/1/2023	11/30/2023	154
	Building Construction	12/1/2023	12/31/2024	283
	Paving	9/1/2024	12/31/2024	87
	Architectural Coating	2/1/2024	12/31/2024	239
Phase 2	Demolition	1/1/2024	3/31/2024	65
	Site Preparation	4/1/2024	8/31/2024	110
	Grading	9/1/2024	4/30/2025	173
	Building Construction	5/1/2025	12/31/2026	436
	Paving	9/1/2026	12/31/2026	88
	Architectural Coating	6/1/2026	12/31/2026	154

TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Phase	Construction Activity	Equipment	Amount	Hours Per Day
Phase 1	Site Preparation	Rubber Tired Dozers	9	8
		Crawler Tractors	12	8
	Grading	Excavators	6	8
		Graders	3	8
		Rubber Tired Dozers	3	8
		Scrapers	6	8
		Crawler Tractors	6	8
	Building Construction	Cranes	3	8
		Forklifts	9	8
		Generator Sets	3	8
		Tractors/Loaders/Backhoes	9	8
		Welders	3	8
	Paving	Pavers	6	8
		Paving Equipment	6	8
		Rollers	6	8
Architectural Coating	Air Compressors	3	8	

Phase	Construction Activity	Equipment	Amount	Hours Per Day
Phase 2	Demolition	Concrete/Industrial Saws	3	8
		Excavators	9	8
		Rubber Tired Dozers	6	8
	Site Preparation	Rubber Tired Dozers	9	8
		Crawler Tractors	12	8
	Grading	Excavators	6	8
		Graders	3	8
		Rubber Tired Dozers	3	8
		Scrapers	6	8
		Crawler Tractors	6	8
	Building Construction	Cranes	3	8
		Forklifts	9	8
		Generator Sets	3	8
		Tractors/Loaders/Backhoes	9	8
		Welders	3	8
	Paving	Pavers	6	8
		Paving Equipment	6	8
		Rollers	6	8
Architectural Coating	Air Compressors	3	8	

EXHIBIT 2-A: MODELED CONSTRUCTION EMISSION SOURCES



LEGEND:
N
[Red hatched box] Construction Activity

2.3 OPERATIONAL HEALTH RISK ASSESSMENT

2.3.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were calculated using emission factors for particulate matter less than 10 μ m in diameter (PM₁₀) generated with the 2021 version of the Emission FACTor model (EMFAC) developed by the CARB. EMFAC 2021 is a mathematical model that CARB developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (5). The most recent version of this model, EMFAC 2021, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2021. Emission factors calculated using EMFAC 2021 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM₁₀ emission factors were generated by running EMFAC 2021 in EMFAC Mode for vehicles in the San Bernardino County jurisdiction. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – on-site loading/unloading and truck gate
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

Calculated emission factors are shown at Table 2-3. As a conservative measure, a 2027 EMFAC run was conducted and a static 2027 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2027 emission factors would overstate potential impacts since this approach assumes that emission factors remain “static” and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated into vehicles after 2027. Additionally, based on EMFAC 2021, Light-Heavy-Duty Trucks are comprised of 52.7% diesel, Medium-Heavy-Duty Trucks are comprised of 92.2% diesel, and Heavy-Heavy-Duty Trucks are comprised of 85.0% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation. Appendix 2.2 includes additional details on the emissions estimates from EMFAC.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM₁₀ emission factor (g/VMT)

from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (6):

$$\text{Emissions}_{\text{SpeedA}} \text{ (g/s)} = \text{EF}_{\text{RunExhaust}} \text{ (g/VMT)} * \text{Distance (VMT/trip)} * \text{Number of Trips (trips/day)} / \text{seconds per day}$$

Where:

$\text{Emissions}_{\text{SpeedA}}$ (g/s): Vehicle emissions at a given speed A;

$\text{EF}_{\text{RunExhaust}}$ (g/VMT): EMFAC running exhaust PM₁₀ emission factor at speed A;

Distance (VMT/trip): Total distance traveled per trip.

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM₁₀ emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM₁₀ emission factor (g/idle-hr) from EMFAC and the total truck trip over the total assumed idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (6):

$$\text{Emissions}_{\text{idle}} \text{ (g/s)} = \text{EF}_{\text{idle}} \text{ (g/hr)} * \text{Number of Trips (trips/day)} * \text{Idling Time (min/trip)} * 60 \text{ minutes per hour} / \text{seconds per day}$$

Where:

$\text{Emissions}_{\text{idle}}$ (g/s): Vehicle emissions during idling;

EF_{idle} (g/s): EMFAC idle exhaust PM₁₀ emission factor.

TABLE 2-3: 2027 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.08457 (g/idle-hr)
5	0.01690 (g/s)
25	0.00760 (g/s)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix 2.3. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 2-4. The modeled emission sources are illustrated on Exhibit 2-B for on-site sources and Exhibit 2-C for off-site sources. The modeling domain is limited to the Project’s primary truck route and includes off-site sources in the study area for more than ¾ mile. This modeling domain is more inclusive and conservative than using only a ¼ mile modeling domain which is the distance supported by several reputable studies which conclude

that the greatest potential risks occur within a ¼ mile of the primary source of emissions (7) (in the case of the Project, the primary source of emissions is the on-site idling and on-site travel).

On-site truck idling was estimated to occur as trucks enter and travel through the Project site. Although the Project's diesel-fueled truck and equipment operators will be required by State law to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions be calculated assuming 15 minutes of truck idling (8), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis calculates truck idling at 15 minutes, consistent with SCAQMD's recommendation.

As summarized in the *Rich-Haven Specific Plan, 2022 Amendment Traffic Analysis* prepared by Urban Crossroads, Inc., at buildout the Project is expected to generate a total of approximately 94,408 vehicular trips-ends per day (actual vehicles) which includes 1,144 two-way truck trips per day (9).

2.3.1 TRU SOURCE EMISSIONS

In order to account for the possibility of refrigerated uses, trucks associated with the cold-storage land use are assumed to also have TRUs. For modeling purposes it is assumed 174 trucks (348 two-way truck trips per day) have the potential to include TRUs. TRU traffic is consistent with and reflected in trip generation estimates presented in the Project Traffic Analysis (9) and AQIA (4). The cited analyses are appended to the Project EIR, or can be obtained by contacting the City of Ontario Planning Department.

TRUs are accounted for during on-site and off-site travel. The TRU calculations are based on EMFAC2021, developed by the CARB. EMFAC2021 does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operation.

2.3.2 ON-SITE GASOLINE DISPENSING

Guidance and emission factors from South Coast Air Quality Management District's Risk Assessment Procedures for Rules 1041, 1401.1 and 212 (10) were utilized to model emissions resulting from gasoline dispensing facilities located in Planning Areas 4B, 5B, 5C, 6B, 8, and 10B.³

³ The assumed assignment of 6 gasoline stations within the Specific Plan Area is provided only for establishing a potential maximum impact scenario. Independently, the Applicant has indicated that no more than 3 gas stations would be constructed under Project buildout conditions.

Consistent with this guidance, it was assumed that emissions from the gasoline dispensing facility would occur through vehicle refueling, hose permeation, tank loading and breathing, and spillage. Refueling and hose permeation emissions were modeled using volume sources with a release height of 1 meter and an initial vertical dimension of 2.33 meters. Loading and breathing emissions were modeled using point sources with a stack height of 3.66 meters and a stack diameter of 0.051 meters. Spillage emissions were modeled using volume sources with a release height of 0 meters and an initial vertical dimension of 2.33 meters.

EXHIBIT 2-B: MODELED ON-SITE EMISSION SOURCES

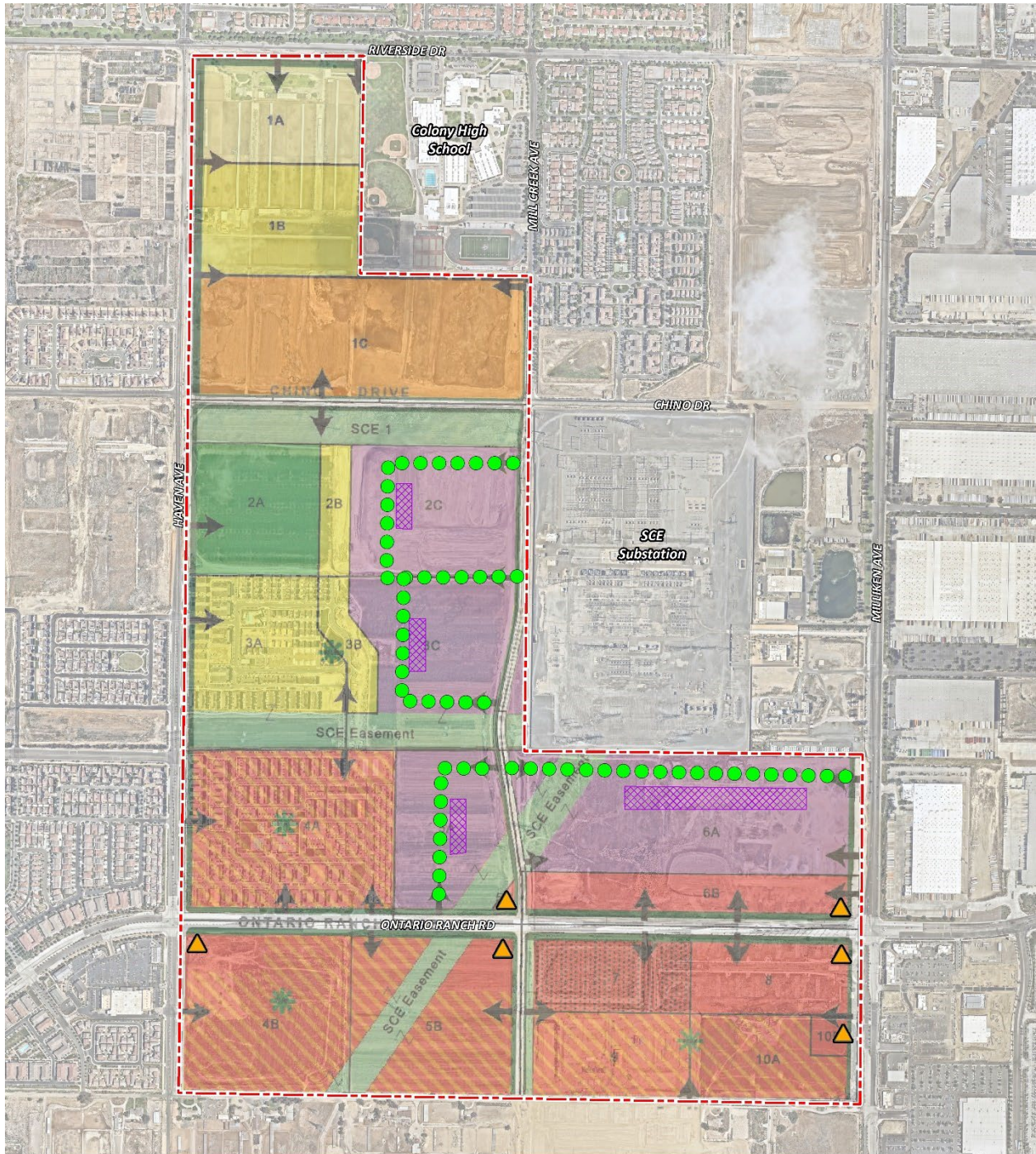
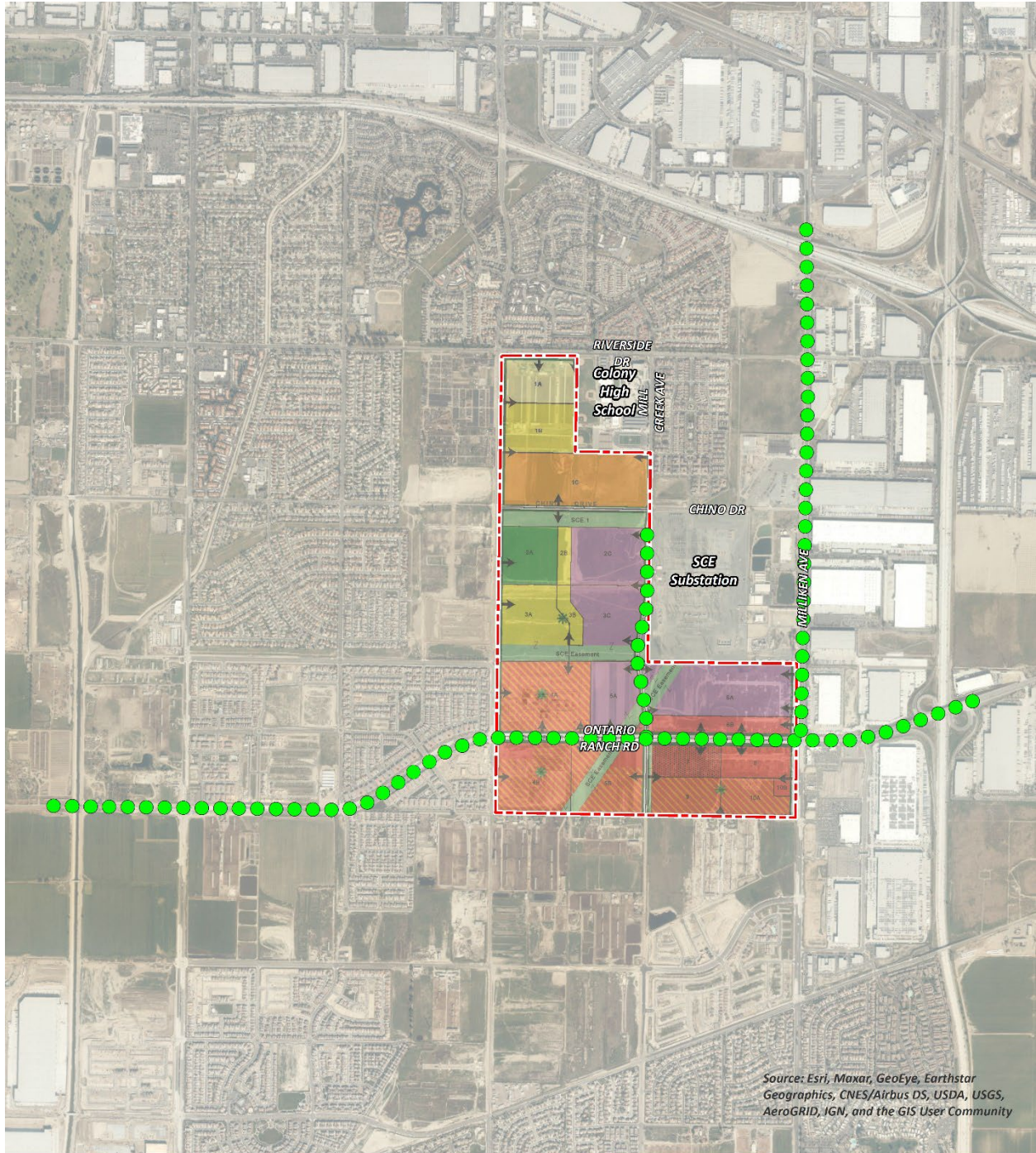


EXHIBIT 2-C: MODELED OFF-SITE EMISSION SOURCES



LEGEND:
N [North Arrow] [Red Dashed Box] Site Boundary ●●● Truck Movements

TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2027 ANALYSIS YEAR)

Truck Emission Rates						
Source	Trucks Per Day	VMT ^a (miles/day)	Truck Emission Rate ^b (grams/mile)	Truck Emission Rate ^b (grams/idle-hour)	Daily Truck Emissions ^c (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling - PA 2C	120			0.0846	6.38	7.389E-05
On-Site Idling - PA 3C	120			0.0846	6.38	7.389E-05
On-Site Idling - PA 5A	120			0.0846	6.38	7.389E-05
On-Site Idling - PA 6A	204			0.0846	25.62	2.966E-04
On-Site Travel - PA 2C	241	127.95	0.0169		3.80	4.393E-05
On-Site Travel - PA 3C	241	117.74	0.0169		3.49	4.042E-05
On-Site Travel - PA 5A	241	72.17	0.0169		2.14	2.478E-05
On-Site Travel - PA 6A	408	203.58	0.0169		11.95	1.383E-04
Off-Site Travel - Mill Creek Ave. 2C/3C/5A 100% Inbound/Outbound	722	478.51	0.0076		4.86	5.621E-05
Off-Site Travel - Ontario Ranch Rd. 2C/3C/5A 15% Inbound/Outbound	108	219.96	0.0076		2.23	2.584E-05
Off-Site Travel - Ontario Ranch Rd. 2C/3C/5A 85% Inbound/Outbound	614	306.94	0.0076		3.12	3.606E-05
Off-Site Travel - Hammer Ave. 2C/3C/5A 25% Inbound/Outbound	181	299.92	0.0076		3.04	3.523E-05
Off-Site Travel - Ontario Ranch Rd. 2C/3C/5A 60% Inbound/Outbound	433	238.38	0.0076		2.42	2.800E-05
Off-Site Travel - Ontario Ranch Rd. 6A 15% Inbound/Outbound	61	124.30	0.0076		1.98	2.295E-05
Off-Site Travel - Ontario Ranch Rd. 6A 30% Inbound/Outbound	122	61.22	0.0076		0.98	1.130E-05
Off-Site Travel - Ontario Ranch Rd. 6A 60% Inbound/Outbound	245	134.71	0.0076		2.15	2.488E-05
Off-Site Travel - Hammer Ave. 6A 25% Inbound/Outbound	102	169.48	0.0076		2.70	3.130E-05
Off-Site Travel - Mill Creek Ave. 6A 45% Inbound/Outbound	184	39.85	0.0076		0.64	7.358E-06

^a Vehicle miles traveled are for modeled truck route only.

^b Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

^c This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes and each TRU operates for 30 minutes.

2.4 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). SCAQMD recommends using the Environmental Protection Agency’s (U.S. EPA’s) AERMOD model. For purposes of this analysis, the Lakes AERMOD View (Version 11.0.0) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA’s latest AERMOD Version 22112 (11).

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. Roadways were modeled using the U.S. EPA’s haul route methodology for modeling of on-site and off-site truck movement. More specifically, the Haul Road Volume Source Calculator in Lakes AERMOD View has been utilized to determine the release height parameters. Based on the US EPA methodology, the Project’s modeled sources would result in a release height of 3.49 meters, and an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

SCAQMD-recommended model parameters are presented in Table 2-5. The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD’s Ontario Airport monitoring station was used to represent local weather conditions and prevailing winds (12).

TABLE 2-5: AERMOD MODEL PARAMETERS

Dispersion Coefficient (Urban/Rural)	Urban (Population 2,035,210)
Terrain (Flat/Elevated)	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project site boundaries, each volume source location, and receptor locations in the Project site’s vicinity. The AERMOD dispersion model summary output files for the proposed Project are presented in Appendix 2.3. Modeled sensitive receptors were placed at residential and non-residential locations.

Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of the properties containing these uses because the human receptors (residents and workers) spend a majority of their time at the residence or in the workplace’s building, and not on the property line. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residents and workers over a period of 30 or 25 years of exposure, respectively. Notwithstanding, as a conservative measure, receptors were placed at either the outdoor living area or the building façade, whichever is closer to the Project site.

For purposes of this HRA, receptors include both residential and non-residential (school and worker) land uses in the vicinity of the Project. These receptors are included in the HRA since residents, schoolchildren, and workers may be exposed at these locations over a long-term duration of 30, 9, and 25 years, respectively. This methodology is consistent with SCAQMD and OEHHA recommended guidance.

Any impacts to residents or workers located further away from the Project site than the modeled residential and workers would have a lesser impact than what has already been disclosed in the HRA at the MEIR and MEIW because concentrations dissipate with distance.

Consistent with SCAQMD modeling guidance, all receptors were set to existing elevation height so that only ground-level concentrations are analyzed (13). United States Geological Survey (USGS) Digital Elevation Model (DEM) terrain data based on a 7.5-minute topographic quadrangle map series using AERMAP was utilized in the HRA modeling to set elevations (14).

For construction activity, discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Table 2-6 summarizes the exposure parameters for residents utilized to analyze impacts from Project construction based on 2015 OEHHA Guidelines. In order to estimate impacts from DPM and gasoline dispensing emissions during Project operational activities, health risk was calculated using CARB’s Hotspots Analysis and Reporting Program (HARP2), version 22118 (15). HARP2 calculates cancer and non-cancer health risk based on the 2015 OEHHA Guidelines. Appendix 2.4 includes the detailed risk calculation and HARP2 model outputs.

TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (CONSTRUCTION ACTIVITY)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
0 to 2	1,090	10	4.00	1.00	260	8

2.5 CARCINOGENIC CHEMICAL RISK

The SCAQMD CEQA Air Quality Handbook (1993) states that emissions of toxic air contaminants (TACs) are considered significant if a HRA shows an increased risk of greater than 10 in one million. Based on guidance from the SCAQMD in the document Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1), for purposes of this analysis, 10 in one million is used as the cancer risk threshold for the proposed Project.

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level

of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time.

Guidance from CARB and the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) recommends a refinement to the standard point estimate approach when alternate human body weights and breathing rates are utilized to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose. Once determined, contaminant dose is multiplied by the cancer potency factor (CPF) in units of inverse dose expressed in milligrams per kilogram per day (mg/kg/day)⁻¹ to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

$$\text{DOSEair} = (\text{Cair} \times [\text{BR}/\text{BW}] \times \text{A} \times \text{EF}) \times (1 \times 10^{-6})$$

Where:

- DOSEair = chronic daily intake (mg/kg/day)
- Cair = concentration of contaminant in air (µg/m³)
- [BR/BW] = daily breathing rate normalized to body weight (L/kg BW-day)
- A = inhalation absorption factor
- EF = exposure frequency (days/365 days)
- BW = body weight (kg)
- 1 x 10⁻⁶ = conversion factors (µg to mg, L to m³)

$$\text{RISKair} = \text{DOSEair} \times \text{CPF} \times \text{ED}/\text{AT}$$

Where:

- DOSEair = chronic daily intake (mg/kg/day)
- CPF = cancer potency factor
- ED = number of years within particular age group
- AT = averaging time

2.6 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound’s annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 µg/m³ (16).

The non-cancer hazard index was calculated (consistent with SCAQMD methodology) as follows:

The relationship for the non-cancer health effects of DPM is given by the following equation:

$$HI_{DPM} = C_{DPM}/REL_{DPM}$$

Where:

- HI_{DPM} = Hazard Index; an expression of the potential for non-cancer health effects.
- C_{DPM} = Annual average DPM concentration ($\mu\text{g}/\text{m}^3$).
- REL_{DPM} = Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated.

For purposes of this analysis the hazard index for the respiratory endpoint totaled less than one for all receptors in the project vicinity, and thus is less than significant.

2.7 POTENTIAL PROJECT-RELATED TAC SOURCE CANCER AND NON-CANCER RISKS

CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R5 which is an existing on-site residence located at 3959 S. Sunrise Avenue. R5 is placed at the private outdoor living area (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 1.21 in one million, which is less than the SCAQMD’s significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated on Exhibit 2-D.

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source TAC emissions is Location R5 which is an existing on-site residence located at 3959 S. Sunrise Avenue. R5 is placed at the private outdoor living area (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source TAC emissions is estimated at 4.77 in one million, which is less than the SCAQMD’s significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.03, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site and primary truck route than the MEIR analyzed herein, and TACs generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site

would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The nearest modeled receptors are illustrated on Exhibit 2-D.

Worker Exposure Scenario⁴:

The worker receptor land use with the greatest potential exposure to Project operational-source DPM emissions is Location R9, which represents the potential worker receptor located approximately 201 feet east of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.94 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.06, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and TACs dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 2-D.

School Child Exposure Scenario:

The nearest school is Colony High School, which is located adjacent to the Project site to the north. At the MEISC, the maximum incremental cancer risk impact attributable to the Project is calculated to be 0.37 in one million, which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be 0.01, which would not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

COMBINED CONSTRUCTION AND OPERATIONAL IMPACTS

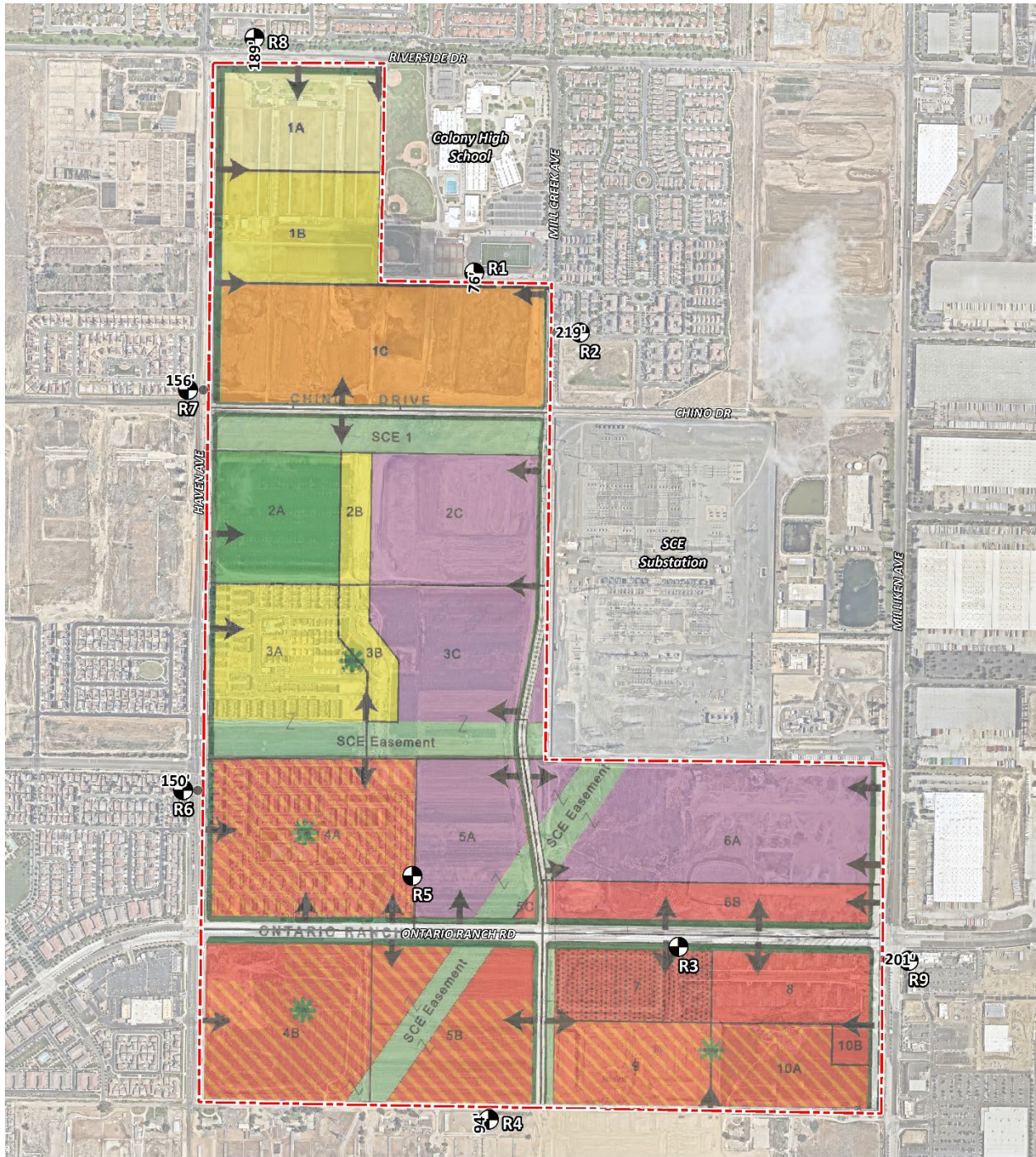
Over the life of the Project, it is possible that certain nearby residents and workers could be subject to the combined effects of construction-source and operational-source TACs. The land use with the greatest potential exposure to combined construction-source and operational-source TACs is Location R5. At the MEIR, the maximum incremental cancer risk attributable to combined Project construction and operational TAC emissions is estimated at 5.98 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.03, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction and operational activity. All other receptors during construction and operational activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated on Exhibit 2-D.

It should be noted that the receptors presented in Exhibit 2-D do not represent all modeled

4 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

receptors.

EXHIBIT 2-D: RECEPTOR LOCATIONS



LEGEND:
 N [North Arrow] [Red dashed box] Site Boundary [Circle with dot] Receptor Locations [Line with dot] Distance from receptor to Project site boundary (in feet)

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4 CERTIFICATIONS

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Rich-Haven Specific Plan, 2022 Amendment Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me at (949) 660-1994.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June 2013
Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 2.1:
CALEEMOD OUTPUTS

14822 Rich Haven Ph1 Construction Mitigated Detailed Report

Table of Contents

1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year, Unmitigated
3. Construction Emissions Details
 - 3.1. Site Preparation (2023) - Unmitigated
 - 3.3. Grading (2023) - Unmitigated
 - 3.5. Building Construction (2023) - Unmitigated
 - 3.7. Building Construction (2024) - Unmitigated
 - 3.9. Paving (2024) - Unmitigated
 - 3.11. Architectural Coating (2024) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14822 Rich Haven Ph1 Construction Mitigated
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.01192837529811, -117.57074736445445
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5261
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	317	1000sqft	7.27	316,725	0.00	—	—	—
Refrigerated Warehouse-No Rail	454	1000sqft	10.4	454,244	0.00	—	—	—

Unrefrigerated Warehouse-No Rail	1,996	1000sqft	45.8	1,996,180	531,432	—	—	—
Condo/Townhouse	3,289	Dwelling Unit	106	3,486,340	1,045,440	—	10,887	—
Single Family Housing	822	Dwelling Unit	72.5	1,602,900	631,620	—	2,721	—
Strip Mall	7.50	1000sqft	0.17	7,500	4,356	—	—	—
Gasoline/Service Station	48.0	Pump	0.16	6,776	0.00	—	—	—
Regional Shopping Center	162	1000sqft	3.72	162,137	109,336	—	—	—
High Turnover (Sit Down Restaurant)	32.4	1000sqft	0.74	32,427	0.00	—	—	—
Fast Food Restaurant with Drive Thru	21.6	1000sqft	0.50	21,618	0.00	—	—	—
Parking Lot	58.0	Acre	58.0	0.00	0.00	—	—	—
City Park	1.30	Acre	1.30	0.00	56,628	56,628	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	30.8	70.1	97.7	491	0.25	0.98	65.7	66.6	0.94	15.6	16.5	—	96,362	96,362	4.59	4.79	314	98,220

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	29.4	68.6	102	394	0.25	0.98	65.7	66.6	0.94	15.6	16.5	—	90,733	90,733	4.69	4.79	8.15	92,287
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.2	45.0	62.5	273	0.16	0.57	45.5	46.1	0.55	10.8	11.3	—	62,486	62,486	3.23	3.38	95.4	63,670
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.69	8.21	11.4	49.8	0.03	0.10	8.31	8.41	0.10	1.97	2.07	—	10,345	10,345	0.53	0.56	15.8	10,541

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	3.80	3.03	70.4	120	0.25	0.68	19.0	19.4	0.66	8.58	8.96	—	29,743	29,743	1.59	1.48	27.8	30,251
2024	30.8	70.1	97.7	491	0.24	0.98	65.7	66.6	0.94	15.6	16.5	—	96,362	96,362	4.59	4.79	314	98,220
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	25.2	21.7	74.5	329	0.25	0.68	55.0	55.6	0.66	13.1	13.6	—	76,040	76,040	4.18	4.36	7.50	77,450
2024	29.4	68.6	102	394	0.24	0.98	65.7	66.6	0.94	15.6	16.5	—	90,733	90,733	4.69	4.79	8.15	92,287
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	3.78	3.14	46.9	93.5	0.16	0.41	12.4	12.8	0.40	4.37	4.77	—	22,333	22,333	1.18	1.09	14.3	22,702
2024	20.2	45.0	62.5	273	0.15	0.57	45.5	46.1	0.55	10.8	11.3	—	62,486	62,486	3.23	3.38	95.4	63,670
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.69	0.57	8.56	17.1	0.03	0.07	2.26	2.34	0.07	0.80	0.87	—	3,698	3,698	0.20	0.18	2.38	3,759

2024	3.69	8.21	11.4	49.8	0.03	0.10	8.31	8.41	0.10	1.97	2.07	—	10,345	10,345	0.53	0.56	15.8	10,541
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3. Construction Emissions Details

3.1. Site Preparation (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.03	2.03	47.1	89.9	0.15	0.31	—	0.31	0.31	—	0.31	—	16,589	16,589	0.67	0.13	—	16,646
Dust From Material Movement:	—	—	—	—	—	—	17.0	17.0	—	8.06	8.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.03	2.03	47.1	89.9	0.15	0.31	—	0.31	0.31	—	0.31	—	16,589	16,589	0.67	0.13	—	16,646
Dust From Material Movement:	—	—	—	—	—	—	17.0	17.0	—	8.06	8.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.47	0.47	11.0	20.9	0.04	0.07	—	0.07	0.07	—	0.07	—	3,863	3,863	0.16	0.03	—	3,877
Dust From Material Movement	—	—	—	—	—	—	3.96	3.96	—	1.88	1.88	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	2.00	3.82	0.01	0.01	—	0.01	0.01	—	0.01	—	640	640	0.03	0.01	—	642
Dust From Material Movement	—	—	—	—	—	—	0.72	0.72	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.29	0.28	4.86	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	771	771	0.03	0.03	3.31	783
Vendor	0.54	0.14	5.72	3.08	0.03	0.07	0.27	0.34	0.07	0.10	0.17	—	4,817	4,817	0.40	0.71	13.3	5,052
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.32	3.65	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	707	707	0.03	0.03	0.09	715
Vendor	0.53	0.13	5.94	3.13	0.03	0.07	0.27	0.34	0.07	0.10	0.17	—	4,819	4,819	0.40	0.71	0.35	5,042
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.90	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	167	167	0.01	0.01	0.33	169

Vendor	0.13	0.03	1.39	0.72	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,122	1,122	0.09	0.17	1.34	1,175
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	27.6	27.6	< 0.005	< 0.005	0.06	28.0
Vendor	0.02	0.01	0.25	0.13	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	186	186	0.02	0.03	0.22	195
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.46	59.7	109	0.19	0.55	—	0.55	0.54	—	0.54	—	20,146	20,146	0.82	0.16	—	20,215
Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.46	59.7	109	0.19	0.55	—	0.55	0.54	—	0.54	—	20,146	20,146	0.82	0.16	—	20,215
Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	1.04	25.2	45.8	0.08	0.23	—	0.23	0.23	—	0.23	—	8,500	8,500	0.34	0.07	—	8,529	
Dust From Material Movement	—	—	—	—	—	—	3.38	3.38	—	1.24	1.24	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.19	0.19	4.60	8.36	0.01	0.04	—	0.04	0.04	—	0.04	—	1,407	1,407	0.06	0.01	—	1,412	
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.23	0.23	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.36	0.33	0.32	5.55	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	881	881	0.04	0.03	3.78	895	
Vendor	0.98	0.24	10.3	5.58	0.06	0.12	0.49	0.62	0.12	0.19	0.31	—	8,715	8,715	0.73	1.29	24.1	9,140	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.34	0.31	0.37	4.18	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	808	808	0.04	0.03	0.10	818	
Vendor	0.97	0.23	10.7	5.66	0.06	0.12	0.49	0.62	0.12	0.19	0.31	—	8,719	8,719	0.73	1.29	0.63	9,122	

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.16	1.86	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	346	346	0.02	0.01	0.69	350	
Vendor	0.41	0.10	4.56	2.37	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,678	3,678	0.31	0.54	4.40	3,851	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.03	0.02	0.03	0.34	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	57.2	57.2	< 0.005	< 0.005	0.11	58.0	
Vendor	0.07	0.02	0.83	0.43	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	609	609	0.05	0.09	0.73	638	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

3.5. Building Construction (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.34	30.9	48.6	0.08	0.38	—	0.38	0.36	—	0.36	—	7,890	7,890	0.32	0.06	—	7,917
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	1.87	2.95	< 0.005	0.02	—	0.02	0.02	—	0.02	—	479	479	0.02	< 0.005	—	480
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.34	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.2	79.2	< 0.005	< 0.005	—	79.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	22.0	19.9	23.9	270	0.00	0.00	3.16	3.16	0.00	0.00	0.00	—	52,139	52,139	2.52	1.92	6.35	52,781
Vendor	1.77	0.42	19.7	10.4	0.11	0.23	0.91	1.14	0.23	0.34	0.57	—	16,011	16,011	1.34	2.37	1.15	16,752
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.33	1.20	1.45	17.3	0.00	0.00	0.19	0.19	0.00	0.00	0.00	—	3,208	3,208	0.15	0.12	6.41	3,253
Vendor	0.11	0.03	1.21	0.63	0.01	0.01	0.06	0.07	0.01	0.02	0.03	—	971	971	0.08	0.14	1.16	1,017
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.22	0.27	3.16	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	531	531	0.03	0.02	1.06	539
Vendor	0.02	< 0.005	0.22	0.11	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	161	161	0.01	0.02	0.19	168
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.34	30.8	48.6	0.08	0.37	—	0.37	0.35	—	0.35	—	7,891	7,891	0.32	0.06	—	7,918
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.34	30.8	48.6	0.08	0.37	—	0.37	0.35	—	0.35	—	7,891	7,891	0.32	0.06	—	7,918
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	0.96	22.1	34.8	0.05	0.27	—	0.27	0.25	—	0.25	—	5,652	5,652	0.23	0.05	—	5,671
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.17	4.03	6.35	0.01	0.05	—	0.05	0.05	—	0.05	—	936	936	0.04	0.01	—	939
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	22.2	20.3	18.8	328	0.00	0.00	3.16	3.16	0.00	0.00	0.00	—	55,768	55,768	2.35	1.92	223	56,622
Vendor	1.68	0.45	18.2	9.74	0.11	0.23	0.91	1.14	0.23	0.34	0.57	—	15,833	15,833	1.22	2.36	44.2	16,611
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	21.1	19.1	22.1	248	0.00	0.00	3.16	3.16	0.00	0.00	0.00	—	51,115	51,115	2.43	1.92	5.78	51,755
Vendor	1.65	0.42	18.9	9.88	0.11	0.23	0.91	1.14	0.23	0.34	0.57	—	15,840	15,840	1.22	2.36	1.14	16,575
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	15.0	13.5	15.8	186	0.00	0.00	2.26	2.26	0.00	0.00	0.00	—	37,129	37,129	1.74	1.38	68.9	37,652
Vendor	1.19	0.31	13.6	7.04	0.08	0.16	0.65	0.81	0.16	0.24	0.41	—	11,342	11,342	0.87	1.69	13.6	11,882
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.73	2.47	2.89	34.0	0.00	0.00	0.41	0.41	0.00	0.00	0.00	—	6,147	6,147	0.29	0.23	11.4	6,234
Vendor	0.22	0.06	2.49	1.28	0.01	0.03	0.12	0.15	0.03	0.04	0.07	—	1,878	1,878	0.14	0.28	2.25	1,967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.69	21.6	31.8	0.04	0.26	—	0.26	0.24	—	0.24	—	4,535	4,535	0.18	0.04	—	4,550
Paving	—	1.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.69	21.6	31.8	0.04	0.26	—	0.26	0.24	—	0.24	—	4,535	4,535	0.18	0.04	—	4,550
Paving	—	1.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	5.15	7.58	0.01	0.06	—	0.06	0.06	—	0.06	—	1,081	1,081	0.04	0.01	—	1,085
Paving	—	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.94	1.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	180
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.24	0.22	3.81	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	648	648	0.03	0.02	2.59	658
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.26	2.88	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	594	594	0.03	0.02	0.07	601

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.72	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	144	144	0.01	0.01	0.27	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	23.8	23.8	< 0.005	< 0.005	0.04	24.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	4.28	3.85	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536
Architect ural Coatings	—	41.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	4.28	3.85	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536

Architect Coatings	—	41.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	2.80	2.52	< 0.005	0.08	—	0.08	0.07	—	0.07	—	350	350	0.01	< 0.005	—	351
Architect ural Coatings	—	27.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.51	0.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	57.9	57.9	< 0.005	< 0.005	—	58.1
Architect ural Coatings	—	4.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.44	4.06	3.76	65.5	0.00	0.00	0.63	0.63	0.00	0.00	0.00	—	11,154	11,154	0.47	0.38	44.6	11,324
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.22	3.82	4.42	49.5	0.00	0.00	0.63	0.63	0.00	0.00	0.00	—	10,223	10,223	0.49	0.38	1.16	10,351
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.74	2.48	2.90	34.1	0.00	0.00	0.41	0.41	0.00	0.00	0.00	—	6,789	6,789	0.32	0.25	12.6	6,884	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.50	0.45	0.53	6.22	0.00	0.00	0.08	0.08	0.00	0.00	0.00	—	1,124	1,124	0.05	0.04	2.09	1,140	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2023	4/30/2023	5.00	85.0	—
Grading	Grading	5/1/2023	11/30/2023	5.00	154	—

Building Construction	Building Construction	12/1/2023	12/31/2024	5.00	283	—
Paving	Paving	9/1/2024	12/31/2024	5.00	87.0	—
Architectural Coating	Architectural Coating	2/1/2024	12/31/2024	5.00	239	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	9.00	8.00	367	0.40
Grading	Excavators	Diesel	Tier 4 Interim	6.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	3.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	6.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Interim	3.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	9.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Interim	3.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	9.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Interim	3.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Interim	6.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	6.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Interim	6.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	3.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	12.0	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Interim	6.00	8.00	87.0	0.43

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	52.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	152	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	275	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	3,874	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	505	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	45.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	775	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	10,305,711	3,435,237	4,496,411	1,498,804	151,589

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	1,700	0.00	—
Grading	—	—	3,080	0.00	—
Paving	0.00	0.00	0.00	0.00	67.1

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Refrigerated Warehouse-No Rail	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%

Condo/Townhouse	—	0%
Single Family Housing	9.06	0%
Strip Mall	0.00	0%
Gasoline/Service Station	0.00	0%
Regional Shopping Center	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
Parking Lot	58.0	100%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0	annual days of extreme heat
Extreme Precipitation	3.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	84.6
AQ-PM	95.6
AQ-DPM	57.0
Drinking Water	93.3
Lead Risk Housing	7.89
Pesticides	64.8
Toxic Releases	71.4
Traffic	14.2
Effect Indicators	—
CleanUp Sites	7.71
Groundwater	81.4
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	43.8
Solid Waste	35.7
Sensitive Population	—
Asthma	58.6
Cardio-vascular	79.3
Low Birth Weights	68.1
Socioeconomic Factor Indicators	—
Education	51.5
Housing	70.8

Linguistic	15.6
Poverty	40.3
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	50.9816502
Employed	66.62389324
Median HI	72.65494675
Education	—
Bachelor's or higher	43.46208136
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	93.63531374
Active commuting	23.14897985
Social	—
2-parent households	66.79070961
Voting	49.36481458
Neighborhood	—
Alcohol availability	65.76414731
Park access	55.29321186
Retail density	20.00513281
Supermarket access	52.71397408
Tree canopy	13.73027076

Housing	—
Homeownership	73.48902862
Housing habitability	38.94520724
Low-inc homeowner severe housing cost burden	67.22699859
Low-inc renter severe housing cost burden	48.14577185
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	44.20633902
Arthritis	84.5
Asthma ER Admissions	52.8
High Blood Pressure	89.6
Cancer (excluding skin)	77.2
Asthma	51.9
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	68.9
Life Expectancy at Birth	43.6
Cognitively Disabled	92.5
Physically Disabled	86.7
Heart Attack ER Admissions	10.7
Mental Health Not Good	52.8
Chronic Kidney Disease	85.5
Obesity	50.5
Pedestrian Injuries	19.6
Physical Health Not Good	65.0
Stroke	84.7
Health Risk Behaviors	—

Binge Drinking	15.4
Current Smoker	54.4
No Leisure Time for Physical Activity	62.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	87.4
English Speaking	59.0
Foreign-born	27.3
Outdoor Workers	53.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	70.3
Traffic Density	21.2
Traffic Access	23.0
Other Indices	—
Hardship	44.7
Other Decision Support	—
2016 Voting	55.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Acreage adjusted based on site plan
Construction: Construction Phases	Schedule adjusted based on data from the Project team.
Construction: Off-Road Equipment	Equipment based on data from the Project team.
Construction: Dust From Material Movement	Assumes 20 acres will be graded per day
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction.
Construction: Architectural Coatings	Project will use super-compliant coatings

14822 Rich Haven Ph2 Construction Mitigated Detailed Report

Table of Contents

1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year, Unmitigated
3. Construction Emissions Details
 - 3.1. Demolition (2024) - Unmitigated
 - 3.3. Site Preparation (2024) - Unmitigated
 - 3.5. Grading (2024) - Unmitigated
 - 3.7. Grading (2025) - Unmitigated
 - 3.9. Building Construction (2025) - Unmitigated
 - 3.11. Building Construction (2026) - Unmitigated

3.13. Paving (2026) - Unmitigated

3.15. Architectural Coating (2026) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14822 Rich Haven Ph2 Construction Mitigated
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.01284450351814, -117.57158813842331
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5261
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	603	Dwelling Unit	81.3	1,175,850	708,721	—	1,996	—
Condo/Townhouse	2,000	Dwelling Unit	55.9	2,120,000	242,283	—	6,620	—
City Park	27.0	Acre	27.0	0.00	1,176,120	1,176,120	—	—

Regional Shopping Center	526	1000sqft	12.1	525,990	342,382	—	—	—
High Turnover (Sit Down Restaurant)	105	1000sqft	2.42	105,198	0.00	—	—	—
Fast Food Restaurant with Drive Thru	70.1	1000sqft	1.61	70,132	0.00	—	—	—
Gasoline/Service Station	48.0	Pump	0.16	6,776	0.00	—	—	—
Parking Lot	54.5	Acre	54.5	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.0	49.3	73.1	256	0.21	0.85	32.3	33.1	0.81	8.35	8.69	—	51,709	51,709	2.35	2.23	127	52,561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.4	48.6	74.4	215	0.21	0.85	32.3	33.1	0.81	7.65	8.45	—	49,051	49,051	2.00	2.28	3.30	49,771
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.60	22.7	41.8	134	0.12	0.45	21.0	21.5	0.43	4.98	5.41	—	31,329	31,329	1.21	1.55	36.6	31,850

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.57	4.15	7.62	24.5	0.02	0.08	3.84	3.92	0.08	0.91	0.99	—	5,187	5,187	0.20	0.26	6.06	5,273

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.09	2.85	63.2	115	0.21	0.59	18.1	18.5	0.58	8.35	8.69	—	23,736	23,736	1.06	0.60	11.1	23,953
2025	11.7	10.2	63.0	201	0.21	0.59	26.7	27.2	0.58	6.34	6.79	—	41,436	41,436	1.96	2.03	118	42,209
2026	14.0	49.3	73.1	256	0.17	0.85	32.3	33.1	0.81	7.65	8.45	—	51,709	51,709	2.35	2.23	127	52,561
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.07	2.83	63.3	114	0.21	0.63	9.53	10.1	0.59	3.33	3.91	—	23,665	23,665	1.07	0.60	0.29	23,871
2025	11.2	9.69	63.1	164	0.21	0.59	26.7	27.2	0.58	6.34	6.79	—	39,212	39,212	2.00	2.03	3.07	39,870
2026	13.4	48.6	74.4	215	0.17	0.85	32.3	33.1	0.81	7.65	8.45	—	49,051	49,051	1.46	2.28	3.30	49,771
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.78	1.64	36.7	66.2	0.12	0.35	7.96	8.31	0.34	3.36	3.70	—	13,571	13,571	0.61	0.33	2.63	13,686
2025	6.03	5.24	38.2	108	0.11	0.36	14.9	15.2	0.35	3.78	4.13	—	24,512	24,512	1.21	1.11	25.6	24,900
2026	8.60	22.7	41.8	134	0.10	0.45	21.0	21.5	0.43	4.98	5.41	—	31,329	31,329	0.92	1.55	36.6	31,850
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.32	0.30	6.71	12.1	0.02	0.06	1.45	1.52	0.06	0.61	0.68	—	2,247	2,247	0.10	0.05	0.44	2,266
2025	1.10	0.96	6.97	19.8	0.02	0.07	2.72	2.78	0.06	0.69	0.75	—	4,058	4,058	0.20	0.18	4.24	4,122
2026	1.57	4.15	7.62	24.5	0.02	0.08	3.84	3.92	0.08	0.91	0.99	—	5,187	5,187	0.15	0.26	6.06	5,273

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.24	35.7	54.5	0.10	0.60	—	0.60	0.57	—	0.57	—	10,276	10,276	0.42	0.08	—	10,311
Demolition	—	—	—	—	—	—	0.30	0.30	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	6.36	9.71	0.02	0.11	—	0.11	0.10	—	0.10	—	1,830	1,830	0.07	0.01	—	1,836
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	1.16	1.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	303	303	0.01	< 0.005	—	304
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.26	2.88	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	594	594	0.03	0.02	0.07	601
Vendor	0.11	0.03	1.24	0.65	0.01	0.01	0.06	0.07	0.01	0.02	0.04	—	1,035	1,035	0.08	0.15	0.07	1,083
Hauling	0.05	0.01	0.48	0.26	< 0.005	0.01	0.03	0.04	< 0.005	0.01	0.01	—	374	374	0.04	0.06	0.02	393
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.05	0.54	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	107	107	0.01	< 0.005	0.20	109
Vendor	0.02	< 0.005	0.22	0.11	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	184	184	0.01	0.03	0.22	193
Hauling	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	66.6	66.6	0.01	0.01	0.06	70.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	17.8	17.8	< 0.005	< 0.005	0.03	18.0
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	30.5	30.5	< 0.005	< 0.005	0.04	32.0
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	0.01	11.6

3.3. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.03	2.03	47.1	89.9	0.15	0.31	—	0.31	0.31	—	0.31	—	16,588	16,588	0.67	0.13	—	16,644
Dust From Material Movement:	—	—	—	—	—	—	17.0	17.0	—	8.06	8.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.61	14.2	27.1	0.05	0.09	—	0.09	0.09	—	0.09	—	4,999	4,999	0.20	0.04	—	5,016
Dust From Material Movement:	—	—	—	—	—	—	5.12	5.12	—	2.43	2.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	2.59	4.94	0.01	0.02	—	0.02	0.02	—	0.02	—	828	828	0.03	0.01	—	830
Dust From Material Movement:	—	—	—	—	—	—	0.93	0.93	—	0.44	0.44	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.25	4.44	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	756	756	0.03	0.03	3.02	767

Vendor	0.18	0.05	1.98	1.06	0.01	0.02	0.10	0.12	0.02	0.04	0.06	—	1,724	1,724	0.13	0.26	4.81	1,809
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.06	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	212	212	0.01	0.01	0.39	215
Vendor	0.05	0.01	0.62	0.32	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	520	520	0.04	0.08	0.62	544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.19	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	35.1	35.1	< 0.005	< 0.005	0.07	35.5
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	86.1	86.1	0.01	0.01	0.10	90.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.46	59.7	109	0.19	0.55	—	0.55	0.54	—	0.54	—	20,145	20,145	0.82	0.16	—	20,214
Dust From Material Movement	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.46	59.7	109	0.19	0.55	—	0.55	0.54	—	0.54	—	20,145	20,145	0.82	0.16	—	20,214
Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	14.3	25.9	0.04	0.13	—	0.13	0.13	—	0.13	—	4,810	4,810	0.20	0.04	—	4,826
Dust From Material Movement:	—	—	—	—	—	—	1.91	1.91	—	0.70	0.70	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	2.60	4.73	0.01	0.02	—	0.02	0.02	—	0.02	—	796	796	0.03	0.01	—	799
Dust From Material Movement:	—	—	—	—	—	—	0.35	0.35	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.31	0.29	5.08	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	864	864	0.04	0.03	3.45	877

Vendor	0.29	0.08	3.13	1.68	0.02	0.04	0.16	0.20	0.04	0.06	0.10	—	2,728	2,728	0.21	0.41	7.61	2,862
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.30	0.34	3.84	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	792	792	0.04	0.03	0.09	802
Vendor	0.28	0.07	3.26	1.70	0.02	0.04	0.16	0.20	0.04	0.06	0.10	—	2,729	2,729	0.21	0.41	0.20	2,856
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.96	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	192	192	0.01	0.01	0.36	194
Vendor	0.07	0.02	0.78	0.40	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	651	651	0.05	0.10	0.78	682
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	31.7	31.7	< 0.005	< 0.005	0.06	32.2
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	108	108	0.01	0.02	0.13	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.46	59.7	109	0.19	0.55	—	0.55	0.54	—	0.54	—	20,146	20,146	0.82	0.16	—	20,215

Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.46	59.7	109	0.19	0.55	—	0.55	0.54	—	0.54	—	20,146	20,146	0.82	0.16	—	20,215
Dust From Material Movement:	—	—	—	—	—	—	8.01	8.01	—	2.94	2.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.58	14.0	25.5	0.04	0.13	—	0.13	0.13	—	0.13	—	4,731	4,731	0.19	0.04	—	4,747
Dust From Material Movement:	—	—	—	—	—	—	1.88	1.88	—	0.69	0.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	2.56	4.65	0.01	0.02	—	0.02	0.02	—	0.02	—	783	783	0.03	0.01	—	786
Dust From Material Movement:	—	—	—	—	—	—	0.34	0.34	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.28	0.26	4.67	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	845	845	0.04	0.03	3.14	858
Vendor	0.27	0.08	2.98	1.61	0.02	0.04	0.16	0.20	0.04	0.06	0.10	—	2,684	2,684	0.21	0.41	7.55	2,818
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.29	3.52	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	775	775	0.04	0.03	0.08	785
Vendor	0.26	0.07	3.11	1.62	0.02	0.04	0.16	0.20	0.04	0.06	0.10	—	2,685	2,685	0.21	0.41	0.20	2,812
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.87	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	185	185	0.01	0.01	0.32	187
Vendor	0.06	0.02	0.74	0.38	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	630	630	0.05	0.10	0.77	661
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	30.6	30.6	< 0.005	< 0.005	0.05	31.0
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	104	104	0.01	0.02	0.13	109
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.40	1.34	30.8	48.6	0.08	0.37	—	0.37	0.35	—	0.35	—	7,891	7,891	0.32	0.06	—	7,918
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.34	30.8	48.6	0.08	0.37	—	0.37	0.35	—	0.35	—	7,891	7,891	0.32	0.06	—	7,918
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.64	14.8	23.3	0.04	0.18	—	0.18	0.17	—	0.17	—	3,783	3,783	0.15	0.03	—	3,796
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	2.70	4.25	0.01	0.03	—	0.03	0.03	—	0.03	—	626	626	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.66	8.72	8.36	148	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	26,789	26,789	1.11	0.94	99.4	27,197
Vendor	0.67	0.19	7.50	4.06	0.05	0.10	0.39	0.49	0.10	0.15	0.25	—	6,756	6,756	0.52	1.02	19.0	7,093
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.12	8.17	9.22	112	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	24,561	24,561	1.15	0.94	2.57	24,873

Vendor	0.66	0.18	7.84	4.07	0.05	0.10	0.39	0.49	0.10	0.15	0.25	—	6,760	6,760	0.52	1.02	0.49	7,078
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.33	3.86	4.79	56.5	0.00	0.00	0.74	0.74	0.00	0.00	0.00	—	11,942	11,942	0.55	0.45	20.6	12,111
Vendor	0.32	0.09	3.78	1.93	0.02	0.05	0.19	0.24	0.05	0.07	0.12	—	3,240	3,240	0.25	0.49	3.95	3,396
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.79	0.70	0.87	10.3	0.00	0.00	0.14	0.14	0.00	0.00	0.00	—	1,977	1,977	0.09	0.07	3.41	2,005
Vendor	0.06	0.02	0.69	0.35	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	536	536	0.04	0.08	0.65	562
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.34	30.8	48.6	0.08	0.37	—	0.37	0.35	—	0.35	—	7,890	7,890	0.32	0.06	—	7,917
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.34	30.8	48.6	0.08	0.37	—	0.37	0.35	—	0.35	—	7,890	7,890	0.32	0.06	—	7,917
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	0.95	22.0	34.7	0.05	0.26	—	0.26	0.25	—	0.25	—	5,635	5,635	0.23	0.05	—	5,655
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.17	4.02	6.33	0.01	0.05	—	0.05	0.05	—	0.05	—	933	933	0.04	0.01	—	936
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	9.12	8.22	7.50	137	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	26,242	26,242	1.11	0.90	89.8	26,628
Vendor	0.67	0.14	7.18	3.89	0.05	0.10	0.39	0.49	0.10	0.15	0.25	—	6,643	6,643	0.47	1.02	17.5	6,977
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	8.61	7.67	8.36	103	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	24,066	24,066	0.38	0.94	2.33	24,359
Vendor	0.66	0.13	7.47	3.95	0.05	0.10	0.39	0.49	0.10	0.15	0.25	—	6,647	6,647	0.47	1.02	0.45	6,964
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.15	5.48	6.53	77.7	0.00	0.00	1.11	1.11	0.00	0.00	0.00	—	17,431	17,431	0.27	0.67	27.7	17,666
Vendor	0.47	0.09	5.37	2.80	0.04	0.07	0.28	0.35	0.07	0.11	0.18	—	4,746	4,746	0.34	0.73	5.38	4,978
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.12	1.00	1.19	14.2	0.00	0.00	0.20	0.20	0.00	0.00	0.00	—	2,886	2,886	0.04	0.11	4.59	2,925

Vendor	0.09	0.02	0.98	0.51	0.01	0.01	0.05	0.06	0.01	0.02	0.03	—	786	786	0.06	0.12	0.89	824
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.69	21.6	31.8	0.04	0.26	—	0.26	0.24	—	0.24	—	4,532	4,532	0.18	0.04	—	4,547
Paving	—	1.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.69	21.6	31.8	0.04	0.26	—	0.26	0.24	—	0.24	—	4,532	4,532	0.18	0.04	—	4,547
Paving	—	1.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	5.21	7.67	0.01	0.06	—	0.06	0.06	—	0.06	—	1,093	1,093	0.04	0.01	—	1,096
Paving	—	0.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.03	0.95	1.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	181	181	0.01	< 0.005	—	182
Paving	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.18	3.24	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	621	621	0.03	0.02	2.13	630
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.20	2.45	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	570	570	0.01	0.02	0.06	577
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.62	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	139	139	< 0.005	0.01	0.22	141
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	23.1	23.1	< 0.005	< 0.005	0.04	23.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	4.28	3.85	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536
Architectural Coatings	—	35.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	4.28	3.85	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536
Architectural Coatings	—	35.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	1.80	1.63	< 0.005	0.05	—	0.05	0.05	—	0.05	—	225	225	0.01	< 0.005	—	226
Architectural Coatings	—	14.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.33	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.3	37.3	< 0.005	< 0.005	—	37.4

Architect Coatings	—	2.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.82	1.64	1.50	27.4	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	5,248	5,248	0.22	0.18	18.0	5,326
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	1.53	1.67	20.7	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	4,813	4,813	0.08	0.19	0.47	4,872
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.73	0.65	0.77	9.18	0.00	0.00	0.13	0.13	0.00	0.00	0.00	—	2,059	2,059	0.03	0.08	3.27	2,087
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.14	1.68	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	341	341	0.01	0.01	0.54	346
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2024	3/31/2024	5.00	65.0	—
Site Preparation	Site Preparation	4/1/2024	8/31/2024	5.00	110	—
Grading	Grading	9/1/2024	4/30/2025	5.00	173	—
Building Construction	Building Construction	5/1/2025	12/31/2026	5.00	436	—
Paving	Paving	9/1/2026	12/31/2026	5.00	88.0	—
Architectural Coating	Architectural Coating	6/1/2026	12/31/2026	5.00	154	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Interim	3.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Interim	9.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	6.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	9.00	8.00	367	0.40

Grading	Excavators	Diesel	Tier 4 Interim	6.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	3.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	6.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Interim	3.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	9.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Interim	3.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	9.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Interim	3.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Interim	6.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	6.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Interim	6.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	3.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	12.0	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Interim	6.00	8.00	87.0	0.43

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	45.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	33.0	10.2	HHDT,MHDT
Demolition	Hauling	5.31	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	52.5	18.5	LDA,LDT1,LDT2

Site Preparation	Vendor	55.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	87.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,901	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	219	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	45.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	380	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	6,674,096	2,224,699	1,062,144	354,048	142,363

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	30,000	—
Site Preparation	—	—	2,200	0.00	—
Grading	—	—	3,460	0.00	—
Paving	0.00	0.00	0.00	0.00	61.1

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	6.64	0%
Condo/Townhouse	—	0%
City Park	0.00	0%
Regional Shopping Center	0.00	0%

High Turnover (Sit Down Restaurant)	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
Gasoline/Service Station	0.00	0%
Parking Lot	54.5	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0	annual days of extreme heat
Extreme Precipitation	3.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A

Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	84.6
AQ-PM	95.6
AQ-DPM	57.0
Drinking Water	93.3
Lead Risk Housing	7.89
Pesticides	64.8
Toxic Releases	71.4
Traffic	14.2
Effect Indicators	—
CleanUp Sites	7.71
Groundwater	81.4
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	43.8
Solid Waste	35.7
Sensitive Population	—
Asthma	58.6
Cardio-vascular	79.3
Low Birth Weights	68.1
Socioeconomic Factor Indicators	—
Education	51.5
Housing	70.8
Linguistic	15.6
Poverty	40.3
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	50.9816502
Employed	66.62389324
Median HI	72.65494675
Education	—
Bachelor's or higher	43.46208136
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	93.63531374
Active commuting	23.14897985
Social	—
2-parent households	66.79070961
Voting	49.36481458
Neighborhood	—
Alcohol availability	65.76414731
Park access	55.29321186
Retail density	20.00513281
Supermarket access	52.71397408
Tree canopy	13.73027076
Housing	—
Homeownership	73.48902862
Housing habitability	38.94520724
Low-inc homeowner severe housing cost burden	67.22699859

Low-inc renter severe housing cost burden	48.14577185
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	44.20633902
Arthritis	84.5
Asthma ER Admissions	52.8
High Blood Pressure	89.6
Cancer (excluding skin)	77.2
Asthma	51.9
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	68.9
Life Expectancy at Birth	43.6
Cognitively Disabled	92.5
Physically Disabled	86.7
Heart Attack ER Admissions	10.7
Mental Health Not Good	52.8
Chronic Kidney Disease	85.5
Obesity	50.5
Pedestrian Injuries	19.6
Physical Health Not Good	65.0
Stroke	84.7
Health Risk Behaviors	—
Binge Drinking	15.4
Current Smoker	54.4
No Leisure Time for Physical Activity	62.4
Climate Change Exposures	—

Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	87.4
English Speaking	59.0
Foreign-born	27.3
Outdoor Workers	53.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	70.3
Traffic Density	21.2
Traffic Access	23.0
Other Indices	—
Hardship	44.7
Other Decision Support	—
2016 Voting	55.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Acreage adjusted based on site area
Construction: Construction Phases	Construction schedule based on info from the Project team
Construction: Off-Road Equipment	Construction equipment based on data from the Project team.
Construction: Dust From Material Movement	Assumes 20 acres will be graded per day
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction.
Construction: Architectural Coatings	Project will use super-compliant coatings.

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APPENDIX 2.2:
EMFAC EMISSIONS SUMMARY

Emissions	Phase	Lb/Day	# Days	Emissions	Avg/Lb Day	Avg/Hourly
On-Site	Site Preparation	2.53	10	25.3	2.53	0.31625
Exhaust PM-10	Grading	1.96	30	58.8	1.96	0.245
	Building Construction	1.61	200	322	1.61	0.20125
	Paving	0.39	20	7.8	0.39	0.04875
	Architectural Coatings	0.04	40	1.6	0.04	0.005
			6.53	240	415.5	1.73125	0.21640625
Off-Site	Site Preparation	1.00E-02	10	0.1	0.01	0.00125
Exhaust PM-10	Grading	2.00E-02	30	0.6	0.02	0.0025
	Building Construction	7.00E-02	200	14	0.07	0.00875
	Paving	0.00E+00	20	0	0	0
	Architectural Coatings	0.00E+00	40	0	0	0
			1.00E-01	240	14.7	0.06125	0.00765625

Phase	Start Date	End Date	No. Days
Site Preparation	9/5/2023	9/18/2023	10
Grading	9/19/2023	10/30/2023	30
Building Construction	10/31/2023	8/5/2024	200
Paving	7/9/2024	8/5/2024	20
Arch Coatings	6/11/2024	8/5/2024	40
Total Days of Construction			240

**AVERAGE EMISSION FACTOR
SAN BERNARDINO COUNTY 2027**

Speed	LHD1	LHD2	MHD	HHD
0	0.321049	0.518709	0.030022	0.01143
5	0.032511	0.048813	0.018367	0.01076
25	0.015365	0.023804	0.005139	0.00521

Speed	Weighted Average Emissions
0	0.08457
5	0.01690
25	0.00760

Truck Emission Rates						
Source	Trucks Per Day	VMT ^a (miles/day)	Truck Emission Rate ^b (grams/mile)	Truck Emission Rate ^b (grams/idle-hour)	Daily Truck Emissions ^c (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling - PA 2C	120			0.0846	6.38	7.389E-05
On-Site Idling - PA 3C	120			0.0846	6.38	7.389E-05
On-Site Idling - PA 5A	120			0.0846	6.38	7.389E-05
On-Site Idling - PA 6A	204			0.0846	25.62	2.966E-04
On-Site Travel - PA 2C	241	127.95	0.0169		3.80	4.393E-05
On-Site Travel - PA 3C	241	117.74	0.0169		3.49	4.042E-05
On-Site Travel - PA 5A	241	72.17	0.0169		2.14	2.478E-05
On-Site Travel - PA 6A	408	203.58	0.0169		11.95	1.383E-04
Off-Site Travel - Mill Creek Ave. 2C/3C/5A 100% Inbound/Outbound	722	478.51	0.0076		4.86	5.621E-05
Off-Site Travel - Ontario Ranch Rd. 2C/3C/5A 15% Inbound/Outbound	108	219.96	0.0076		2.23	2.584E-05
Off-Site Travel - Ontario Ranch Rd. 2C/3C/5A 85% Inbound/Outbound	614	306.94	0.0076		3.12	3.606E-05
Off-Site Travel - Hamner Ave. 2C/3C/5A 25% Inbound/Outbound	181	299.92	0.0076		3.04	3.523E-05
Off-Site Travel - Ontario Ranch Rd. 2C/3C/5A 60% Inbound/Outbound	433	238.38	0.0076		2.42	2.800E-05
Off-Site Travel - Ontario Ranch Rd. 6A 15% Inbound/Outbound	61	124.30	0.0076		1.98	2.295E-05
Off-Site Travel - Ontario Ranch Rd. 6A 30% Inbound/Outbound	122	61.22	0.0076		0.98	1.130E-05
Off-Site Travel - Ontario Ranch Rd. 6A 60% Inbound/Outbound	245	134.71	0.0076		2.15	2.488E-05
Off-Site Travel - Hamner Ave. 6A 25% Inbound/Outbound	102	169.48	0.0076		2.70	3.130E-05
Off-Site Travel - Mill Creek Ave. 6A 45% Inbound/Outbound	184	39.85	0.0076		0.64	7.358E-06

^a Vehicle miles traveled are for modeled truck route only.

^b Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

^c This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes and each TRU operates for 30 minutes.

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatur	relative_hu	process	speed_tim	pollutant	emission_rate
2027	Annual	San Berna	HHDT	Dsl	60	70	RUNEX	5	PM10	0.012659
2027	Annual	San Berna	HHDT	Dsl	60	70	RUNEX	25	PM10	0.006131
2027	Annual	San Berna	HHDT	Dsl			IDLEX		PM10	0.013449
2027	Annual	San Berna	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.080135
2027	Annual	San Berna	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.037872
2027	Annual	San Berna	LHDT1	Dsl			IDLEX		PM10	0.791351
2027	Annual	San Berna	LHDT2	Dsl	60	70	RUNEX	5	PM10	0.075325
2027	Annual	San Berna	LHDT2	Dsl	60	70	RUNEX	25	PM10	0.036733
2027	Annual	San Berna	LHDT2	Dsl			IDLEX		PM10	0.800435
2027	Annual	San Berna	MHDT	Dsl	60	70	RUNEX	5	PM10	0.019931
2027	Annual	San Berna	MHDT	Dsl	60	70	RUNEX	25	PM10	0.005576
2027	Annual	San Berna	MHDT	Dsl			IDLEX		PM10	0.032577

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: San Bernardino (SC)

Calendar Year: 2027

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar	Vehicle C	Model Year	Speed	Fuel	Population
San Bern	2027	HHDT	Aggregate	Aggregate	Gasoline	2.0312
San Bern	2027	HHDT	Aggregate	Aggregate	Diesel	15410.1
San Bern	2027	HHDT	Aggregate	Aggregate	Natural Gas	2715.58
San Bern	2027	LHDT1	Aggregate	Aggregate	Gasoline	16631.8
San Bern	2027	LHDT1	Aggregate	Aggregate	Diesel	11353.6
San Bern	2027	LHDT2	Aggregate	Aggregate	Gasoline	2701.1
San Bern	2027	LHDT2	Aggregate	Aggregate	Diesel	4973.21
San Bern	2027	MHDT	Aggregate	Aggregate	Gasoline	1363.93
San Bern	2027	MHDT	Aggregate	Aggregate	Diesel	16024.9
San Bern	2027	MHDT	Aggregate	Aggregate	Natural Gas	231.558

HHDT% GAS/NG 0.14991

HHDT% DSL 0.85009

LHDT1% GAS 0.5943

LHDT1% DSL 0.4057

LHDT2% GAS 0.35197

LHDT2% DSL 0.64803

MHDT% GAS 0.07844

MHDT% DSL 0.92156

Gasoline Dispensing Emissions

Emission Factors

Pollutant		Loading	Breathing	Refueling	Hose Perm.	Spillage	Total
ROG (lbs/1000 gal)		0.15	0.024	0.32	0.009	0.24	0.743
Benzene	%wt	0.455%	0.455%	0.455%	0.455%	0.707%	
	EF (lbs/1000gal)	0.000683	0.000109	0.001456	0.000041	0.001697	0.003985
Ethyl Benzene	%wt	0.107%	0.107%	0.107%	0.107%	1.29%	
	EF (lbs/1000gal)	0.0001605	0.00002568	0.0003424	0.00000963	0.003096	0.0036342
Naphthalene	%wt	0.0004%	0.0004%	0.0004%	0.0004%	0.17%	
	EF (lbs/1000gal)	0.0000006	0.000000096	0.00000128	3.6E-08	0.0004176	0.0004196

Source: SCAQMD Risk Assessment Procedures for Rule 1401, 1401.1, and 212, Table X-1 (<http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12>)

Emissions

Annual Throughput: 12,300 1000 gals (per 16 VFP gas station)
 Max Hourly 2.4 1000 gals

Pollutant	Emissions		
	lbs/yr	lbs/day	lbs/hr
ROG	9,138.90	25.04	1.783
Benzene	49.02	0.13	0.010
Ethyl Benzene	44.70	0.12	0.009
Naphthalene	5.16	0.01	0.001

Release Type	Source	Emissions (lbs/hr)		
		Benzene	Ethyl Benzene	Naphthalene
Refueling/Hose Permeation	REF	3.593E-03	8.449E-04	3.158E-06
Spillage	SPILL	4.072E-03	7.430E-03	1.002E-03
Loading	LOAD	1.638E-03	3.852E-04	1.440E-06
Breathing	BREATHE	2.621E-04	6.163E-05	2.304E-07

Release Type	Source	Emissions (lbs/yr)		
		Benzene	Ethyl Benzene	Naphthalene
Refueling/Hose Permeation	REF	1.841E+01	4.330E+00	1.619E-02
Spillage	SPILL	2.087E+01	3.808E+01	5.136E+00
Loading	LOAD	8.395E+00	1.974E+00	7.380E-03
Breathing	BREATHE	1.343E+00	3.159E-01	1.181E-03

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APPENDIX 2.3:
AERMOD MODEL INPUT/OUTPUT

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/19/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\14822 Construction HRA\14822
Construction HRA.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 2035210 San_Bernardino_County
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "14822 Construction HRA.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION	VOL	VOLUME	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	447959.249	3762097.745	222.000	
LOCATION VOL2	VOLUME	448134.383	3762098.764	222.370	
LOCATION VOL3	VOLUME	447790.254	3762102.860	221.890	
LOCATION VOL4	VOLUME	447618.190	3762098.764	221.000	
LOCATION VOL5	VOLUME	447446.126	3762100.812	221.000	
LOCATION VOL6	VOLUME	447276.110	3762094.667	220.000	
LOCATION VOL7	VOLUME	447099.949	3762094.667	219.610	
LOCATION VOL8	VOLUME	446929.933	3762096.715	220.000	
LOCATION VOL9	VOLUME	448310.544	3762106.957	222.000	
LOCATION VOL10	VOLUME	446926.657	3762209.795	221.340	
LOCATION VOL11	VOLUME	446924.141	3762324.271	222.230	
LOCATION VOL12	VOLUME	447100.259	3762207.279	221.000	
LOCATION VOL13	VOLUME	447276.377	3762207.279	221.940	
LOCATION VOL14	VOLUME	447447.462	3762207.279	222.000	
LOCATION VOL15	VOLUME	447616.032	3762206.021	222.000	
LOCATION VOL16	VOLUME	447807.246	3762206.021	222.590	
LOCATION VOL17	VOLUME	447959.462	3762206.021	223.000	
LOCATION VOL18	VOLUME	448138.096	3762203.505	222.620	
LOCATION VOL19	VOLUME	448312.955	3762202.247	222.640	
LOCATION VOL20	VOLUME	447100.259	3762325.529	221.990	
LOCATION VOL21	VOLUME	447276.377	3762324.271	222.880	
LOCATION VOL22	VOLUME	447448.720	3762324.271	222.690	
LOCATION VOL23	VOLUME	447616.032	3762326.787	222.680	
LOCATION VOL24	VOLUME	447789.634	3762328.045	223.720	
LOCATION VOL25	VOLUME	447960.720	3762326.787	224.240	
LOCATION VOL26	VOLUME	448135.580	3762328.045	224.450	
LOCATION VOL27	VOLUME	448317.987	3762330.561	224.780	
LOCATION VOL28	VOLUME	447432.367	3762512.969	225.260	
LOCATION VOL29	VOLUME	447621.064	3762512.969	224.500	
LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440	

LOCATION	VOL	VOLUME	447999.717	3762515.485	225.850
LOCATION	VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION	VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION	VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION	VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION	VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION	VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION	VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION	VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION	VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION	VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION	VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION	VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION	VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION	VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION	VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION	VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION	VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION	VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION	VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION	VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION	VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION	VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION	VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION	VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION	VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION	VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION	VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION	VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION	VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION	VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION	VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION	VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION	VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION	VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION	VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION	VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION	VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION	VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION	VOL70	VOLUME	446944.782	3764317.613	240.180

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE1

** DESCRSRC

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 0.0021654378

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 5

** 448415.406, 3762409.748, 225.24, 3.49, 6.51

** 448659.241, 3762398.494, 224.01, 3.49, 6.51

** 448751.148, 3762400.370, 222.22, 3.49, 6.51

** 448929.335, 3762451.012, 223.01, 3.49, 6.51

** 449315.720, 3762593.562, 224.31, 3.49, 6.51

** -----

LOCATION	L0000001	VOLUME	448422.398	3762409.425	225.28
LOCATION	L0000002	VOLUME	448436.383	3762408.780	225.27
LOCATION	L0000003	VOLUME	448450.368	3762408.134	225.27
LOCATION	L0000004	VOLUME	448464.354	3762407.489	225.26
LOCATION	L0000005	VOLUME	448478.339	3762406.843	225.25
LOCATION	L0000006	VOLUME	448492.324	3762406.198	225.25
LOCATION	L0000007	VOLUME	448506.309	3762405.552	225.24
LOCATION	L0000008	VOLUME	448520.294	3762404.907	225.23
LOCATION	L0000009	VOLUME	448534.279	3762404.262	225.23

LOCATION L0000010	VOLUME	448548.264	3762403.616	225.22
LOCATION L0000011	VOLUME	448562.249	3762402.971	225.21
LOCATION L0000012	VOLUME	448576.234	3762402.325	225.27
LOCATION L0000013	VOLUME	448590.220	3762401.680	225.38
LOCATION L0000014	VOLUME	448604.205	3762401.034	225.39
LOCATION L0000015	VOLUME	448618.190	3762400.389	225.20
LOCATION L0000016	VOLUME	448632.175	3762399.743	224.95
LOCATION L0000017	VOLUME	448646.160	3762399.098	224.43
LOCATION L0000018	VOLUME	448660.146	3762398.513	223.93
LOCATION L0000019	VOLUME	448674.143	3762398.798	223.50
LOCATION L0000020	VOLUME	448688.140	3762399.084	223.08
LOCATION L0000021	VOLUME	448702.137	3762399.370	222.76
LOCATION L0000022	VOLUME	448716.134	3762399.655	222.44
LOCATION L0000023	VOLUME	448730.131	3762399.941	222.31
LOCATION L0000024	VOLUME	448744.128	3762400.226	222.23
LOCATION L0000025	VOLUME	448757.861	3762402.278	222.28
LOCATION L0000026	VOLUME	448771.328	3762406.105	222.42
LOCATION L0000027	VOLUME	448784.794	3762409.932	222.56
LOCATION L0000028	VOLUME	448798.261	3762413.760	222.74
LOCATION L0000029	VOLUME	448811.728	3762417.587	222.90
LOCATION L0000030	VOLUME	448825.194	3762421.415	222.80
LOCATION L0000031	VOLUME	448838.661	3762425.242	222.70
LOCATION L0000032	VOLUME	448852.128	3762429.069	222.70
LOCATION L0000033	VOLUME	448865.594	3762432.897	222.74
LOCATION L0000034	VOLUME	448879.061	3762436.724	222.81
LOCATION L0000035	VOLUME	448892.528	3762440.551	222.85
LOCATION L0000036	VOLUME	448905.994	3762444.379	222.89
LOCATION L0000037	VOLUME	448919.461	3762448.206	222.93
LOCATION L0000038	VOLUME	448932.839	3762452.305	222.99
LOCATION L0000039	VOLUME	448945.974	3762457.151	223.14
LOCATION L0000040	VOLUME	448959.108	3762461.997	223.33
LOCATION L0000041	VOLUME	448972.243	3762466.843	223.42
LOCATION L0000042	VOLUME	448985.378	3762471.688	223.47
LOCATION L0000043	VOLUME	448998.512	3762476.534	223.52
LOCATION L0000044	VOLUME	449011.647	3762481.380	223.57
LOCATION L0000045	VOLUME	449024.782	3762486.226	223.67
LOCATION L0000046	VOLUME	449037.916	3762491.071	223.86
LOCATION L0000047	VOLUME	449051.051	3762495.917	224.02
LOCATION L0000048	VOLUME	449064.185	3762500.763	224.07
LOCATION L0000049	VOLUME	449077.320	3762505.609	224.12
LOCATION L0000050	VOLUME	449090.455	3762510.455	224.17
LOCATION L0000051	VOLUME	449103.589	3762515.300	224.22
LOCATION L0000052	VOLUME	449116.724	3762520.146	224.27
LOCATION L0000053	VOLUME	449129.859	3762524.992	224.32
LOCATION L0000054	VOLUME	449142.993	3762529.838	224.37
LOCATION L0000055	VOLUME	449156.128	3762534.684	224.42
LOCATION L0000056	VOLUME	449169.262	3762539.529	224.47
LOCATION L0000057	VOLUME	449182.397	3762544.375	224.46
LOCATION L0000058	VOLUME	449195.532	3762549.221	224.50
LOCATION L0000059	VOLUME	449208.666	3762554.067	224.51
LOCATION L0000060	VOLUME	449221.801	3762558.912	224.46
LOCATION L0000061	VOLUME	449234.936	3762563.758	224.47
LOCATION L0000062	VOLUME	449248.070	3762568.604	224.51
LOCATION L0000063	VOLUME	449261.205	3762573.450	224.49
LOCATION L0000064	VOLUME	449274.339	3762578.296	224.40
LOCATION L0000065	VOLUME	449287.474	3762583.141	224.32
LOCATION L0000066	VOLUME	449300.609	3762587.987	224.36
LOCATION L0000067	VOLUME	449313.743	3762592.833	224.41

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

SRCPARAM VOL1	0.0001378005	5.000	44.302	1.400
SRCPARAM VOL2	0.0001378005	5.000	44.302	1.400
SRCPARAM VOL3	0.0001378005	5.000	44.302	1.400
SRCPARAM VOL4	0.0001378005	5.000	44.302	1.400
SRCPARAM VOL5	0.0001378005	5.000	44.302	1.400
SRCPARAM VOL6	0.0001378005	5.000	44.302	1.400


```

** -----
URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL1      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL2      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL3      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL4      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:

```


EMISFACT L0000064 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING

INCLUDED "14822 Construction HRA.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**
**

ME STARTING

SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "14822 CONSTRUCTION HRA.AD\AN00GALL.PLT" 31
SUMMFILE "14822 Construction HRA.sum"

OU FINISHED

**

** Project Parameters

** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM North American Datum 1983
** DTMRGN CONUS
** UNITS m
** ZONE 11
** ZONEINX 0
**


```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/19/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\14822 Construction HRA\14822
Construction HRA.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 2035210 San_Bernardino_County
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "14822 Construction HRA.err"

```

```
CO FINISHED
```

```

**
*****
** AERMOD Source Pathway
*****

```

```

**
**

```

```
SO STARTING
```

```
** Source Location **
```

```
** Source ID - Type - X Coord. - Y Coord. **
```

LOCATION	VOL	VOLUME	X Coord.	Y Coord.	
LOCATION VOL1		VOLUME	447959.249	3762097.745	222.000
LOCATION VOL2		VOLUME	448134.383	3762098.764	222.370
LOCATION VOL3		VOLUME	447790.254	3762102.860	221.890
LOCATION VOL4		VOLUME	447618.190	3762098.764	221.000
LOCATION VOL5		VOLUME	447446.126	3762100.812	221.000
LOCATION VOL6		VOLUME	447276.110	3762094.667	220.000
LOCATION VOL7		VOLUME	447099.949	3762094.667	219.610
LOCATION VOL8		VOLUME	446929.933	3762096.715	220.000
LOCATION VOL9		VOLUME	448310.544	3762106.957	222.000
LOCATION VOL10		VOLUME	446926.657	3762209.795	221.340
LOCATION VOL11		VOLUME	446924.141	3762324.271	222.230
LOCATION VOL12		VOLUME	447100.259	3762207.279	221.000
LOCATION VOL13		VOLUME	447276.377	3762207.279	221.940
LOCATION VOL14		VOLUME	447447.462	3762207.279	222.000
LOCATION VOL15		VOLUME	447616.032	3762206.021	222.000
LOCATION VOL16		VOLUME	447807.246	3762206.021	222.590
LOCATION VOL17		VOLUME	447959.462	3762206.021	223.000
LOCATION VOL18		VOLUME	448138.096	3762203.505	222.620
LOCATION VOL19		VOLUME	448312.955	3762202.247	222.640
LOCATION VOL20		VOLUME	447100.259	3762325.529	221.990
LOCATION VOL21		VOLUME	447276.377	3762324.271	222.880
LOCATION VOL22		VOLUME	447448.720	3762324.271	222.690
LOCATION VOL23		VOLUME	447616.032	3762326.787	222.680
LOCATION VOL24		VOLUME	447789.634	3762328.045	223.720
LOCATION VOL25		VOLUME	447960.720	3762326.787	224.240
LOCATION VOL26		VOLUME	448135.580	3762328.045	224.450
LOCATION VOL27		VOLUME	448317.987	3762330.561	224.780
LOCATION VOL28		VOLUME	447432.367	3762512.969	225.260
LOCATION VOL29		VOLUME	447621.064	3762512.969	224.500

LOCATION VOL30	VOLUME	447811.020	3762515.485	225.440
LOCATION VOL31	VOLUME	447999.717	3762515.485	225.850
LOCATION VOL32	VOLUME	448189.673	3762514.227	225.730
LOCATION VOL33	VOLUME	448315.471	3762516.743	226.160
LOCATION VOL34	VOLUME	448316.729	3762709.214	227.440
LOCATION VOL35	VOLUME	448189.673	3762707.956	226.400
LOCATION VOL36	VOLUME	448000.975	3762706.698	227.390
LOCATION VOL37	VOLUME	447811.020	3762706.698	226.990
LOCATION VOL38	VOLUME	447621.064	3762704.182	226.620
LOCATION VOL39	VOLUME	447433.625	3762704.182	227.300
LOCATION VOL40	VOLUME	447524.199	3762897.912	228.410
LOCATION VOL41	VOLUME	447329.212	3762897.912	228.720
LOCATION VOL42	VOLUME	447304.052	3763089.125	231.270
LOCATION VOL43	VOLUME	447533.005	3763086.609	231.240
LOCATION VOL44	VOLUME	447433.625	3763086.609	231.240
LOCATION VOL45	VOLUME	447530.489	3763277.823	232.460
LOCATION VOL46	VOLUME	447305.310	3763281.597	232.220
LOCATION VOL47	VOLUME	447419.787	3763282.855	232.560
LOCATION VOL48	VOLUME	447112.839	3763304.241	231.800
LOCATION VOL49	VOLUME	446924.141	3763305.499	231.590
LOCATION VOL50	VOLUME	447533.005	3763469.037	233.480
LOCATION VOL51	VOLUME	447217.251	3763472.810	233.160
LOCATION VOL52	VOLUME	447088.937	3763471.553	232.970
LOCATION VOL53	VOLUME	446925.399	3763474.068	232.580
LOCATION VOL54	VOLUME	447361.920	3763470.295	233.480
LOCATION VOL55	VOLUME	447531.738	3763659.534	234.930
LOCATION VOL56	VOLUME	447533.543	3763806.850	235.550
LOCATION VOL57	VOLUME	447359.934	3763658.402	234.090
LOCATION VOL58	VOLUME	447219.034	3763657.144	234.090
LOCATION VOL59	VOLUME	447090.714	3763659.660	234.540
LOCATION VOL60	VOLUME	446930.944	3763659.660	234.180
LOCATION VOL61	VOLUME	447357.418	3763804.334	234.700
LOCATION VOL62	VOLUME	447219.034	3763804.334	234.880
LOCATION VOL63	VOLUME	447093.230	3763805.592	235.810
LOCATION VOL64	VOLUME	446932.202	3763805.592	235.500
LOCATION VOL65	VOLUME	447133.487	3763996.814	237.440
LOCATION VOL66	VOLUME	446943.524	3763996.814	237.440
LOCATION VOL67	VOLUME	447134.745	3764159.100	239.090
LOCATION VOL68	VOLUME	446944.782	3764159.100	239.980
LOCATION VOL69	VOLUME	447136.004	3764318.871	241.020
LOCATION VOL70	VOLUME	446944.782	3764317.613	240.180

**

 ** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE1

** DESCRSRC

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 0.0021654378

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 5

** 448415.406, 3762409.748, 225.24, 3.49, 6.51

** 448659.241, 3762398.494, 224.01, 3.49, 6.51

** 448751.148, 3762400.370, 222.22, 3.49, 6.51

** 448929.335, 3762451.012, 223.01, 3.49, 6.51

** 449315.720, 3762593.562, 224.31, 3.49, 6.51

**

LOCATION L0000001	VOLUME	448422.398	3762409.425	225.28
LOCATION L0000002	VOLUME	448436.383	3762408.780	225.27
LOCATION L0000003	VOLUME	448450.368	3762408.134	225.27
LOCATION L0000004	VOLUME	448464.354	3762407.489	225.26
LOCATION L0000005	VOLUME	448478.339	3762406.843	225.25
LOCATION L0000006	VOLUME	448492.324	3762406.198	225.25
LOCATION L0000007	VOLUME	448506.309	3762405.552	225.24
LOCATION L0000008	VOLUME	448520.294	3762404.907	225.23

LOCATION L0000009	VOLUME	448534.279	3762404.262	225.23
LOCATION L0000010	VOLUME	448548.264	3762403.616	225.22
LOCATION L0000011	VOLUME	448562.249	3762402.971	225.21
LOCATION L0000012	VOLUME	448576.234	3762402.325	225.27
LOCATION L0000013	VOLUME	448590.220	3762401.680	225.38
LOCATION L0000014	VOLUME	448604.205	3762401.034	225.39
LOCATION L0000015	VOLUME	448618.190	3762400.389	225.20
LOCATION L0000016	VOLUME	448632.175	3762399.743	224.95
LOCATION L0000017	VOLUME	448646.160	3762399.098	224.43
LOCATION L0000018	VOLUME	448660.146	3762398.513	223.93
LOCATION L0000019	VOLUME	448674.143	3762398.798	223.50
LOCATION L0000020	VOLUME	448688.140	3762399.084	223.08
LOCATION L0000021	VOLUME	448702.137	3762399.370	222.76
LOCATION L0000022	VOLUME	448716.134	3762399.655	222.44
LOCATION L0000023	VOLUME	448730.131	3762399.941	222.31
LOCATION L0000024	VOLUME	448744.128	3762400.226	222.23
LOCATION L0000025	VOLUME	448757.861	3762402.278	222.28
LOCATION L0000026	VOLUME	448771.328	3762406.105	222.42
LOCATION L0000027	VOLUME	448784.794	3762409.932	222.56
LOCATION L0000028	VOLUME	448798.261	3762413.760	222.74
LOCATION L0000029	VOLUME	448811.728	3762417.587	222.90
LOCATION L0000030	VOLUME	448825.194	3762421.415	222.80
LOCATION L0000031	VOLUME	448838.661	3762425.242	222.70
LOCATION L0000032	VOLUME	448852.128	3762429.069	222.70
LOCATION L0000033	VOLUME	448865.594	3762432.897	222.74
LOCATION L0000034	VOLUME	448879.061	3762436.724	222.81
LOCATION L0000035	VOLUME	448892.528	3762440.551	222.85
LOCATION L0000036	VOLUME	448905.994	3762444.379	222.89
LOCATION L0000037	VOLUME	448919.461	3762448.206	222.93
LOCATION L0000038	VOLUME	448932.839	3762452.305	222.99
LOCATION L0000039	VOLUME	448945.974	3762457.151	223.14
LOCATION L0000040	VOLUME	448959.108	3762461.997	223.33
LOCATION L0000041	VOLUME	448972.243	3762466.843	223.42
LOCATION L0000042	VOLUME	448985.378	3762471.688	223.47
LOCATION L0000043	VOLUME	448998.512	3762476.534	223.52
LOCATION L0000044	VOLUME	449011.647	3762481.380	223.57
LOCATION L0000045	VOLUME	449024.782	3762486.226	223.67
LOCATION L0000046	VOLUME	449037.916	3762491.071	223.86
LOCATION L0000047	VOLUME	449051.051	3762495.917	224.02
LOCATION L0000048	VOLUME	449064.185	3762500.763	224.07
LOCATION L0000049	VOLUME	449077.320	3762505.609	224.12
LOCATION L0000050	VOLUME	449090.455	3762510.455	224.17
LOCATION L0000051	VOLUME	449103.589	3762515.300	224.22
LOCATION L0000052	VOLUME	449116.724	3762520.146	224.27
LOCATION L0000053	VOLUME	449129.859	3762524.992	224.32
LOCATION L0000054	VOLUME	449142.993	3762529.838	224.37
LOCATION L0000055	VOLUME	449156.128	3762534.684	224.42
LOCATION L0000056	VOLUME	449169.262	3762539.529	224.47
LOCATION L0000057	VOLUME	449182.397	3762544.375	224.46
LOCATION L0000058	VOLUME	449195.532	3762549.221	224.50
LOCATION L0000059	VOLUME	449208.666	3762554.067	224.51
LOCATION L0000060	VOLUME	449221.801	3762558.912	224.46
LOCATION L0000061	VOLUME	449234.936	3762563.758	224.47
LOCATION L0000062	VOLUME	449248.070	3762568.604	224.51
LOCATION L0000063	VOLUME	449261.205	3762573.450	224.49
LOCATION L0000064	VOLUME	449274.339	3762578.296	224.40
LOCATION L0000065	VOLUME	449287.474	3762583.141	224.32
LOCATION L0000066	VOLUME	449300.609	3762587.987	224.36
LOCATION L0000067	VOLUME	449313.743	3762592.833	224.41

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

SRCPARAM VOL1	0.0001378005	5.000	44.302	1.400
SRCPARAM VOL2	0.0001378005	5.000	44.302	1.400
SRCPARAM VOL3	0.0001378005	5.000	44.302	1.400
SRCPARAM VOL4	0.0001378005	5.000	44.302	1.400
SRCPARAM VOL5	0.0001378005	5.000	44.302	1.400

** -----

URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL1 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Sunday:

EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** WeekDays:

EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL2 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Sunday:

EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** WeekDays:

EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL3 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Sunday:

EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** WeekDays:

EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL4 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Sunday:

EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

EMISFACT L0000064 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**
RE STARTING
INCLUDED "14822 Construction HRA.rou"
RE FINISHED

**

** AERMOD Meteorology Pathway

**
**
ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
** Auto-Generated Plotfiles
PLOTFILE ANNUAL ALL "14822 CONSTRUCTION HRA.AD\AN00GALL.PLT" 31
SUMMFILE "14822 Construction HRA.sum"
OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

ME W186 2215 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 2215 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 1

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 137 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 137 Source(s); 1 Source Group(s); and 227 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 137 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

- Model Outputs Tables of ANNUAL Averages by Receptor
- Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
- Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours

m for Missing Hours
 b for Both Calm and Missing
 Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 289.00 ; Decay Coef. =
 0.000 ; Rot. Angle = 0.0
 Emission Units = GRAMS/SEC ; Emission Rate
 Unit Factor = 0.10000E+07
 Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 14822 Construction
 HRA.err

**File for Summary of Results: 14822 Construction
 HRA.sum

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

13:48:15

PAGE 2

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY						
VOL1	0	0.13780E-03	447959.2	3762097.7	222.0	5.00	44.30	1.40
YES HRDOW								
VOL2	0	0.13780E-03	448134.4	3762098.8	222.4	5.00	44.30	1.40
YES HRDOW								
VOL3	0	0.13780E-03	447790.3	3762102.9	221.9	5.00	44.30	1.40
YES HRDOW								
VOL4	0	0.13780E-03	447618.2	3762098.8	221.0	5.00	44.30	1.40
YES HRDOW								
VOL5	0	0.13780E-03	447446.1	3762100.8	221.0	5.00	44.30	1.40
YES HRDOW								
VOL6	0	0.13780E-03	447276.1	3762094.7	220.0	5.00	44.30	1.40
YES HRDOW								
VOL7	0	0.13780E-03	447099.9	3762094.7	219.6	5.00	44.30	1.40
YES HRDOW								
VOL8	0	0.13780E-03	446929.9	3762096.7	220.0	5.00	44.30	1.40
YES HRDOW								
VOL9	0	0.13780E-03	448310.5	3762107.0	222.0	5.00	44.30	1.40
YES HRDOW								
VOL10	0	0.13780E-03	446926.7	3762209.8	221.3	5.00	44.30	1.40
YES HRDOW								
VOL11	0	0.13780E-03	446924.1	3762324.3	222.2	5.00	44.30	1.40
YES HRDOW								
VOL12	0	0.13780E-03	447100.3	3762207.3	221.0	5.00	44.30	1.40
YES HRDOW								
VOL13	0	0.13780E-03	447276.4	3762207.3	221.9	5.00	44.30	1.40

YES	HRDOW								
VOL14		0	0.13780E-03	447447.5	3762207.3	222.0	5.00	44.30	1.40
YES	HRDOW								
VOL15		0	0.13780E-03	447616.0	3762206.0	222.0	5.00	44.30	1.40
YES	HRDOW								
VOL16		0	0.13780E-03	447807.2	3762206.0	222.6	5.00	44.30	1.40
YES	HRDOW								
VOL17		0	0.13780E-03	447959.5	3762206.0	223.0	5.00	44.30	1.40
YES	HRDOW								
VOL18		0	0.13780E-03	448138.1	3762203.5	222.6	5.00	44.30	1.40
YES	HRDOW								
VOL19		0	0.13780E-03	448313.0	3762202.2	222.6	5.00	44.30	1.40
YES	HRDOW								
VOL20		0	0.13780E-03	447100.3	3762325.5	222.0	5.00	44.30	1.40
YES	HRDOW								
VOL21		0	0.13780E-03	447276.4	3762324.3	222.9	5.00	44.30	1.40
YES	HRDOW								
VOL22		0	0.13780E-03	447448.7	3762324.3	222.7	5.00	44.30	1.40
YES	HRDOW								
VOL23		0	0.13780E-03	447616.0	3762326.8	222.7	5.00	44.30	1.40
YES	HRDOW								
VOL24		0	0.13780E-03	447789.6	3762328.0	223.7	5.00	44.30	1.40
YES	HRDOW								
VOL25		0	0.13780E-03	447960.7	3762326.8	224.2	5.00	44.30	1.40
YES	HRDOW								
VOL26		0	0.13780E-03	448135.6	3762328.0	224.5	5.00	44.30	1.40
YES	HRDOW								
VOL27		0	0.13780E-03	448318.0	3762330.6	224.8	5.00	44.30	1.40
YES	HRDOW								
VOL28		0	0.13780E-03	447432.4	3762513.0	225.3	5.00	44.30	1.40
YES	HRDOW								
VOL29		0	0.13780E-03	447621.1	3762513.0	224.5	5.00	44.30	1.40
YES	HRDOW								
VOL30		0	0.13780E-03	447811.0	3762515.5	225.4	5.00	44.30	1.40
YES	HRDOW								
VOL31		0	0.13780E-03	447999.7	3762515.5	225.9	5.00	44.30	1.40
YES	HRDOW								
VOL32		0	0.13780E-03	448189.7	3762514.2	225.7	5.00	44.30	1.40
YES	HRDOW								
VOL33		0	0.13780E-03	448315.5	3762516.7	226.2	5.00	44.30	1.40
YES	HRDOW								
VOL34		0	0.13780E-03	448316.7	3762709.2	227.4	5.00	44.30	1.40
YES	HRDOW								
VOL35		0	0.13780E-03	448189.7	3762708.0	226.4	5.00	44.30	1.40
YES	HRDOW								
VOL36		0	0.13780E-03	448001.0	3762706.7	227.4	5.00	44.30	1.40
YES	HRDOW								
VOL37		0	0.13780E-03	447811.0	3762706.7	227.0	5.00	44.30	1.40
YES	HRDOW								
VOL38		0	0.13780E-03	447621.1	3762704.2	226.6	5.00	44.30	1.40
YES	HRDOW								
VOL39		0	0.13780E-03	447433.6	3762704.2	227.3	5.00	44.30	1.40
YES	HRDOW								
VOL40		0	0.13780E-03	447524.2	3762897.9	228.4	5.00	44.30	1.40
YES	HRDOW								

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 *** AERMET - VERSION 16216 ***
 *** *** 13:48:15


PAGE 3

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	SOURCE	ID	PART.	NUMBER	EMISSION	RATE	X	Y	BASE	RELEASE	INIT.	INIT.
				URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
	SCALAR	(METERS)	VARY	(GRAMS/SEC)			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
	CATS.			BY								
VOL41			0	0.13780E-03			447329.2	3762897.9	228.7	5.00	44.30	1.40
YES	HRDOW											
VOL42			0	0.13780E-03			447304.1	3763089.1	231.3	5.00	44.30	1.40
YES	HRDOW											
VOL43			0	0.13780E-03			447533.0	3763086.6	231.2	5.00	44.30	1.40
YES	HRDOW											
VOL44			0	0.13780E-03			447433.6	3763086.6	231.2	5.00	44.30	1.40
YES	HRDOW											
VOL45			0	0.13780E-03			447530.5	3763277.8	232.5	5.00	44.30	1.40
YES	HRDOW											
VOL46			0	0.13780E-03			447305.3	3763281.6	232.2	5.00	44.30	1.40
YES	HRDOW											
VOL47			0	0.13780E-03			447419.8	3763282.9	232.6	5.00	44.30	1.40
YES	HRDOW											
VOL48			0	0.13780E-03			447112.8	3763304.2	231.8	5.00	44.30	1.40
YES	HRDOW											
VOL49			0	0.13780E-03			446924.1	3763305.5	231.6	5.00	44.30	1.40
YES	HRDOW											
VOL50			0	0.13780E-03			447533.0	3763469.0	233.5	5.00	44.30	1.40
YES	HRDOW											
VOL51			0	0.13780E-03			447217.3	3763472.8	233.2	5.00	44.30	1.40
YES	HRDOW											
VOL52			0	0.13780E-03			447088.9	3763471.6	233.0	5.00	44.30	1.40
YES	HRDOW											
VOL53			0	0.13780E-03			446925.4	3763474.1	232.6	5.00	44.30	1.40
YES	HRDOW											
VOL54			0	0.13780E-03			447361.9	3763470.3	233.5	5.00	44.30	1.40
YES	HRDOW											
VOL55			0	0.13780E-03			447531.7	3763659.5	234.9	5.00	44.30	1.40
YES	HRDOW											
VOL56			0	0.13780E-03			447533.5	3763806.8	235.6	5.00	44.30	1.40
YES	HRDOW											
VOL57			0	0.13780E-03			447359.9	3763658.4	234.1	5.00	44.30	1.40
YES	HRDOW											
VOL58			0	0.13780E-03			447219.0	3763657.1	234.1	5.00	44.30	1.40
YES	HRDOW											
VOL59			0	0.13780E-03			447090.7	3763659.7	234.5	5.00	44.30	1.40
YES	HRDOW											
VOL60			0	0.13780E-03			446930.9	3763659.7	234.2	5.00	44.30	1.40
YES	HRDOW											
VOL61			0	0.13780E-03			447357.4	3763804.3	234.7	5.00	44.30	1.40
YES	HRDOW											
VOL62			0	0.13780E-03			447219.0	3763804.3	234.9	5.00	44.30	1.40
YES	HRDOW											
VOL63			0	0.13780E-03			447093.2	3763805.6	235.8	5.00	44.30	1.40
YES	HRDOW											
VOL64			0	0.13780E-03			446932.2	3763805.6	235.5	5.00	44.30	1.40
YES	HRDOW											
VOL65			0	0.13780E-03			447133.5	3763996.8	237.4	5.00	44.30	1.40
YES	HRDOW											
VOL66			0	0.13780E-03			446943.5	3763996.8	237.4	5.00	44.30	1.40
YES	HRDOW											
VOL67			0	0.13780E-03			447134.7	3764159.1	239.1	5.00	44.30	1.40
YES	HRDOW											
VOL68			0	0.13780E-03			446944.8	3764159.1	240.0	5.00	44.30	1.40
YES	HRDOW											
VOL69			0	0.13780E-03			447136.0	3764318.9	241.0	5.00	44.30	1.40

YES	HRDOW								
L0000023		0	0.32320E-04	448730.1	3762399.9	222.3	3.49	6.51	3.25
YES	HRDOW								
L0000024		0	0.32320E-04	448744.1	3762400.2	222.2	3.49	6.51	3.25
YES	HRDOW								
L0000025		0	0.32320E-04	448757.9	3762402.3	222.3	3.49	6.51	3.25
YES	HRDOW								
L0000026		0	0.32320E-04	448771.3	3762406.1	222.4	3.49	6.51	3.25
YES	HRDOW								
L0000027		0	0.32320E-04	448784.8	3762409.9	222.6	3.49	6.51	3.25
YES	HRDOW								
L0000028		0	0.32320E-04	448798.3	3762413.8	222.7	3.49	6.51	3.25
YES	HRDOW								
L0000029		0	0.32320E-04	448811.7	3762417.6	222.9	3.49	6.51	3.25
YES	HRDOW								
L0000030		0	0.32320E-04	448825.2	3762421.4	222.8	3.49	6.51	3.25
YES	HRDOW								
L0000031		0	0.32320E-04	448838.7	3762425.2	222.7	3.49	6.51	3.25
YES	HRDOW								
L0000032		0	0.32320E-04	448852.1	3762429.1	222.7	3.49	6.51	3.25
YES	HRDOW								
L0000033		0	0.32320E-04	448865.6	3762432.9	222.7	3.49	6.51	3.25
YES	HRDOW								
L0000034		0	0.32320E-04	448879.1	3762436.7	222.8	3.49	6.51	3.25
YES	HRDOW								
L0000035		0	0.32320E-04	448892.5	3762440.6	222.9	3.49	6.51	3.25
YES	HRDOW								
L0000036		0	0.32320E-04	448906.0	3762444.4	222.9	3.49	6.51	3.25
YES	HRDOW								
L0000037		0	0.32320E-04	448919.5	3762448.2	222.9	3.49	6.51	3.25
YES	HRDOW								
L0000038		0	0.32320E-04	448932.8	3762452.3	223.0	3.49	6.51	3.25
YES	HRDOW								
L0000039		0	0.32320E-04	448946.0	3762457.2	223.1	3.49	6.51	3.25
YES	HRDOW								
L0000040		0	0.32320E-04	448959.1	3762462.0	223.3	3.49	6.51	3.25
YES	HRDOW								
L0000041		0	0.32320E-04	448972.2	3762466.8	223.4	3.49	6.51	3.25
YES	HRDOW								
L0000042		0	0.32320E-04	448985.4	3762471.7	223.5	3.49	6.51	3.25
YES	HRDOW								
L0000043		0	0.32320E-04	448998.5	3762476.5	223.5	3.49	6.51	3.25
YES	HRDOW								
L0000044		0	0.32320E-04	449011.6	3762481.4	223.6	3.49	6.51	3.25
YES	HRDOW								
L0000045		0	0.32320E-04	449024.8	3762486.2	223.7	3.49	6.51	3.25
YES	HRDOW								
L0000046		0	0.32320E-04	449037.9	3762491.1	223.9	3.49	6.51	3.25
YES	HRDOW								
L0000047		0	0.32320E-04	449051.1	3762495.9	224.0	3.49	6.51	3.25
YES	HRDOW								
L0000048		0	0.32320E-04	449064.2	3762500.8	224.1	3.49	6.51	3.25
YES	HRDOW								
L0000049		0	0.32320E-04	449077.3	3762505.6	224.1	3.49	6.51	3.25
YES	HRDOW								
L0000050		0	0.32320E-04	449090.5	3762510.5	224.2	3.49	6.51	3.25

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*** 13:48:15

PAGE 5

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 ,
VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
VOL31 , VOL32 ,
VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,
VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
VOL55 , VOL56 ,
VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,
VOL63 , VOL64 ,
VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 ,
L0000001 , L0000002 ,
L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
L0000009 , L0000010 ,
L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
L0000017 , L0000018 ,
L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
L0000025 , L0000026 ,
L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
L0000033 , L0000034 ,
L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
L0000041 , L0000042 ,
L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
L0000049 , L0000050 ,
L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
L0000057 , L0000058 ,
L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
L0000065 , L0000066 ,
L0000067 ,

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Haven\AQIA\14822 Ops *** 10/19/22
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*** 13:48:15

PAGE 7

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
VOL8	2035210. VOL6	VOL1 , VOL7	, VOL2 ,	, VOL3	, VOL4	, VOL5	,
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 9

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 10

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 11

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 14

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 16

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 17

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 *** *** 13:48:15

PAGE 18

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL11		; SOURCE TYPE = VOLUME									
HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR
SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 *** *** 13:48:15

PAGE 19

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 20

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 21

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 22

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 23

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 24

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 25

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 26

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 27

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***
*** 13:48:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

13:48:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 31

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 32

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 33

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 34

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 35

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 36

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for Saturday.

DAY OF WEEK = SUNDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for Sunday.

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for Saturday.

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 39

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 41

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 42

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 43

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :										
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR	HOUR	SCALAR	HOUR	SCALAR						

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** 13:48:15

PAGE 44

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :

Hourly scalar values for source VOL37, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekdays (Days 1-7), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturdays (Days 8-14), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SUNDAY

Hourly scalar values for Sundays (Days 15-21), with values ranging from 0.0000E+00 to 0.1000E+01.

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 45

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :

Hourly scalar values for source VOL38, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekdays (Days 1-7), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturdays (Days 8-14), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SUNDAY

Hourly scalar values for Sundays (Days 15-21), with values ranging from 0.0000E+00 to 0.1000E+01.

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 46

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 47

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 48

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 49

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 50

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 51

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 52

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Sunday. All values are .0000E+00.

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 1 row of scalar values for Sunday. All values are .0000E+00.

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 55

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 57

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 58

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 59

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 60

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 61

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

PAGE 62

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

PAGE 63

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL56 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 64

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL57 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 65

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL58 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 66

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL59 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 67

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL60 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 68

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL61 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***
*** 13:48:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL63 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 71

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL64 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 72

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL65 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 73

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL66 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 74

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL67 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 75

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL68 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 76

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL69 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 77

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL70 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 81

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 82

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000005 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 83

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 84

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000007 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 85

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000008 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 86

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 87

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 88

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000011 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 89

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000012 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 90

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 91

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 92

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :

HRAS
Haven\AQIA\14822 Ops ***
10/19/22
*** AERMET - VERSION 16216 ***

DAY OF WEEK = WEEKDAY

HRAS	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
.0000E+00	23	.0000E+00	24	.0000E+00						

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Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 93

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :

HRAS	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar	Hour	Scalar
------	------	--------	------	--------	------	--------	------	--------	------	--------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***
*** 13:48:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 96

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 97

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 98

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000021 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 99

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000022 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 100

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000023 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 101

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 102

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000025 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 103

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000026 ; SOURCE TYPE = VOLUME :

Hourly scalar values for source L0000026 on weekdays, Saturdays, and Sundays.

DAY OF WEEK = WEEKDAY

Weekday scalar values: 1-24 hours with values ranging from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Saturday scalar values: 1-24 hours with values ranging from .0000E+00 to .0000E+00.

DAY OF WEEK = SUNDAY

Sunday scalar values: 1-24 hours with values ranging from .0000E+00 to .0000E+00.

PAGE 104

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000027 ; SOURCE TYPE = VOLUME :

Hourly scalar values for source L0000027 on weekdays, Saturdays, and Sundays.

DAY OF WEEK = WEEKDAY

Weekday scalar values: 1-24 hours with values ranging from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Saturday scalar values: 1-24 hours with values ranging from .0000E+00 to .0000E+00.

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 105

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000028 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 106

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000029 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 107

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000030 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 108

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000031 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** 13:48:15

PAGE 109

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000032	; SOURCE TYPE = VOLUME		:							
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR	HOUR	SCALAR	HOUR	SCALAR						

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 110

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000033 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 1-7).

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 111

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000034 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 1-7).

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 112

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000035 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 113

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000036 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 114

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000037 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 115

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000038 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 116

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000039 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 117

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000040 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/19/22
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*** 13:48:15

PAGE 118

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000041 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000042 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000043 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 121

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000044 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 122

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000045 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 123

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000046 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 124

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000047 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 125

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000048 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 126

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000049 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 127

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000050 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

PAGE 128

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000051 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

PAGE 129

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000052 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	
.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 130

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000053 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 131

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000054 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 132

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000055 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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13:48:15

PAGE 133

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000056 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 134

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000057 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000058 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000059 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 137

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000060 ; SOURCE TYPE = VOLUME :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 138

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000061 ; SOURCE TYPE = VOLUME :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:48:15

PAGE 139

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000062 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 140

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000063 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 141

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000064 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

13:48:15

PAGE 142

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000065 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 143

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000066 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000067 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(447362.2, 3764292.7, 240.7, 240.7, 0.0); (447376.0, 3764151.0,
239.6, 239.6, 0.0);
(447389.8, 3764043.0, 237.8, 237.8, 0.0); (447450.2, 3764031.0,
237.5, 237.5, 0.0);
(447410.2, 3764019.0, 237.5, 237.5, 0.0); (446891.9, 3764451.2,
241.5, 241.5, 0.0);
(446959.3, 3764451.2, 241.5, 241.5, 0.0); (446995.3, 3764468.1,
241.8, 241.8, 0.0);
(447007.4, 3764467.3, 241.9, 241.9, 0.0); (447023.5, 3764466.1,
241.9, 241.9, 0.0);
(447036.6, 3764466.2, 241.9, 241.9, 0.0); (447052.7, 3764465.6,
242.0, 242.0, 0.0);
(447066.6, 3764465.7, 242.1, 242.1, 0.0); (447099.6, 3764456.2,
242.1, 242.1, 0.0);
(447145.3, 3764468.3, 242.1, 242.1, 0.0); (447175.5, 3764468.0,
241.7, 241.7, 0.0);
(447205.3, 3764468.3, 241.3, 241.3, 0.0); (447232.4, 3764467.5,
242.0, 242.0, 0.0);
(447264.0, 3764467.3, 243.3, 243.3, 0.0); (447294.8, 3764466.9,

243.8, 243.8, 0.0);
(447365.0, 3764456.4, 243.3, 243.3, 0.0); (447406.6, 3764460.6,
243.1, 243.1, 0.0);
(447441.5, 3764460.0, 243.2, 243.2, 0.0); (447466.9, 3764460.2,
243.2, 243.2, 0.0);
(447490.0, 3764460.6, 242.9, 242.9, 0.0); (447515.5, 3764460.4,
242.6, 242.6, 0.0);
(447573.1, 3764454.3, 241.6, 241.6, 0.0); (447598.5, 3764445.2,
241.8, 241.8, 0.0);
(447652.9, 3764439.7, 243.1, 243.1, 0.0); (447692.9, 3764439.5,
243.1, 243.1, 0.0);
(447713.8, 3764439.1, 243.1, 243.1, 0.0); (447732.0, 3764438.7,
243.2, 243.2, 0.0);
(447751.1, 3764438.7, 243.3, 243.3, 0.0); (447768.8, 3764437.5,
243.4, 243.4, 0.0);
(447789.1, 3764437.7, 243.7, 243.7, 0.0); (447805.7, 3764437.3,
243.8, 243.8, 0.0);
(447824.0, 3764437.2, 243.9, 243.9, 0.0); (447841.6, 3764437.9,
243.9, 243.9, 0.0);
(447861.7, 3764437.5, 243.9, 243.9, 0.0); (447881.7, 3764435.2,
243.8, 243.8, 0.0);
(447902.8, 3764436.2, 243.8, 243.8, 0.0); (447920.9, 3764435.3,
243.8, 243.8, 0.0);
(447942.2, 3764435.3, 243.8, 243.8, 0.0); (447962.8, 3764434.8,
243.8, 243.8, 0.0);
(447980.7, 3764435.2, 243.8, 243.8, 0.0); (448004.7, 3764435.2,
243.6, 243.6, 0.0);
(448021.2, 3764434.7, 243.0, 243.0, 0.0); (447662.7, 3764379.6,
243.6, 243.6, 0.0);
(447681.3, 3764321.0, 243.4, 243.4, 0.0); (447682.6, 3764285.8,
242.3, 242.3, 0.0);
(447662.5, 3764238.4, 241.1, 241.1, 0.0); (447661.7, 3764207.4,
240.2, 240.2, 0.0);
(447683.1, 3764162.3, 239.1, 239.1, 0.0); (447681.0, 3764145.9,
238.7, 238.7, 0.0);
(447679.6, 3764130.3, 238.2, 238.2, 0.0); (447680.8, 3764112.0,
237.8, 237.8, 0.0);
(447681.5, 3764096.4, 237.6, 237.6, 0.0); (447680.8, 3764078.8,
237.4, 237.4, 0.0);
(447680.0, 3764064.3, 237.4, 237.4, 0.0); (447681.0, 3764045.8,
237.5, 237.5, 0.0);
(447680.6, 3764029.7, 237.5, 237.5, 0.0); (447657.2, 3763992.0,
237.3, 237.3, 0.0);
(447656.3, 3763967.1, 237.5, 237.5, 0.0); (447657.2, 3763928.7,
237.5, 237.5, 0.0);
(447657.2, 3763902.2, 237.6, 237.6, 0.0); (447657.5, 3763869.0,
237.3, 237.3, 0.0);
(447656.2, 3763834.9, 237.4, 237.4, 0.0); (447655.9, 3763808.3,
237.5, 237.5, 0.0);
(447657.1, 3763786.0, 237.6, 237.6, 0.0); (447701.2, 3763782.1,
237.7, 237.7, 0.0);
(447856.9, 3763749.7, 236.2, 236.2, 0.0); (447855.0, 3763730.1,
236.0, 236.0, 0.0);
(447854.3, 3763698.3, 235.6, 235.6, 0.0); (447855.3, 3763676.8,
235.4, 235.4, 0.0);
(447675.5, 3763287.5, 232.0, 232.0, 0.0); (448481.3, 3763485.3,
235.6, 235.6, 0.0);
(448480.0, 3763195.5, 232.0, 232.0, 0.0); (448478.6, 3762907.2,
229.4, 229.4, 0.0);
(448497.9, 3762714.1, 228.1, 228.1, 0.0); (448507.9, 3762487.7,
225.8, 225.8, 0.0);
(448480.5, 3762358.0, 224.8, 224.8, 0.0); (448462.7, 3762339.8,
224.6, 224.6, 0.0);
(448464.5, 3762265.9, 223.3, 223.3, 0.0); (448461.6, 3762165.2,
222.0, 222.0, 0.0);
(448472.6, 3762064.7, 220.0, 220.0, 0.0); (448460.5, 3762016.7,

219.4, 219.4, 0.0);
(448234.6, 3761951.2, 220.0, 220.0, 0.0); (448081.4, 3761952.8,
220.9, 220.9, 0.0);
(448025.5, 3761956.0, 221.0, 221.0, 0.0); (447506.8, 3761967.6,
220.0, 220.0, 0.0);

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Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***
*** 13:48:15

PAGE 146

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(447269.3, 3761967.7, 219.7, 219.7, 0.0); (447389.5, 3761908.8,
220.0, 220.0, 0.0);
(447019.1, 3761964.3, 219.0, 219.0, 0.0); (447060.3, 3761963.6,
219.0, 219.0, 0.0);
(446975.3, 3761963.2, 219.0, 219.0, 0.0); (446940.9, 3761953.8,
219.0, 219.0, 0.0);
(446865.7, 3761974.5, 219.9, 219.9, 0.0); (446795.1, 3761957.9,
220.0, 220.0, 0.0);
(446757.6, 3761965.8, 220.0, 220.0, 0.0); (446709.3, 3761967.7,
220.0, 220.0, 0.0);
(446796.4, 3762028.6, 220.0, 220.0, 0.0); (446797.0, 3762045.3,
220.1, 220.1, 0.0);
(446796.7, 3762089.5, 221.0, 221.0, 0.0); (446796.1, 3762105.9,
221.0, 221.0, 0.0);
(446796.7, 3762137.3, 221.0, 221.0, 0.0); (446796.1, 3762153.4,
221.0, 221.0, 0.0);
(446772.4, 3762215.4, 221.6, 221.6, 0.0); (446795.1, 3762321.0,
222.0, 222.0, 0.0);
(446796.4, 3762451.0, 224.0, 224.0, 0.0); (446796.4, 3762471.2,
224.4, 224.4, 0.0);
(446797.2, 3762496.0, 224.9, 224.9, 0.0); (446798.1, 3762516.5,
225.3, 225.3, 0.0);
(446797.8, 3762540.0, 225.7, 225.7, 0.0); (446797.5, 3762560.2,
225.9, 225.9, 0.0);
(446798.6, 3762584.8, 226.1, 226.1, 0.0); (446798.1, 3762604.4,
226.5, 226.5, 0.0);
(446799.7, 3762654.1, 227.5, 227.5, 0.0); (446800.0, 3762674.6,
228.0, 228.0, 0.0);
(446800.2, 3762700.2, 228.5, 228.5, 0.0); (446800.2, 3762721.3,
228.6, 228.6, 0.0);
(446800.0, 3762735.7, 228.6, 228.6, 0.0); (446797.8, 3762748.0,
228.6, 228.6, 0.0);
(446802.2, 3762913.5, 228.3, 228.3, 0.0); (446802.2, 3762932.6,
228.3, 228.3, 0.0);
(446802.4, 3762949.2, 228.3, 228.3, 0.0); (446803.0, 3762967.3,
228.3, 228.3, 0.0);
(446802.7, 3762986.1, 228.4, 228.4, 0.0); (446802.2, 3763003.3,
228.6, 228.6, 0.0);
(446802.2, 3763021.9, 228.8, 228.8, 0.0); (446802.7, 3763040.7,
229.0, 229.0, 0.0);
(446803.0, 3763059.3, 229.2, 229.2, 0.0); (446803.5, 3763077.0,
229.3, 229.3, 0.0);
(446756.3, 3763085.3, 228.7, 228.7, 0.0); (446807.7, 3763646.4,
234.6, 234.6, 0.0);
(446808.3, 3763674.7, 234.8, 234.8, 0.0); (446807.7, 3763694.6,
234.9, 234.9, 0.0);
(446808.3, 3763710.6, 235.0, 235.0, 0.0); (446808.3, 3763726.4,
235.0, 235.0, 0.0);
(446808.0, 3763742.1, 235.0, 235.0, 0.0); (446808.3, 3763756.9,

```

235.0,      235.0,      0.0);
( 446808.6, 3763798.3,      235.3,      235.3,      0.0);      ( 446810.2, 3764484.1,
241.7,      241.7,      0.0);
( 446781.3, 3764475.1,      241.7,      241.7,      0.0);      ( 446722.6, 3764455.8,
241.4,      241.4,      0.0);
( 446170.3, 3764559.8,      242.5,      242.5,      0.0);      ( 446872.3, 3763190.3,
231.5,      231.5,      0.0);
( 446925.2, 3763179.2,      231.6,      231.6,      0.0);      ( 446984.9, 3763194.9,
231.4,      231.4,      0.0);
( 447010.6, 3763193.3,      231.7,      231.7,      0.0);      ( 447036.6, 3763193.6,
231.7,      231.7,      0.0);
( 447053.6, 3763193.3,      231.7,      231.7,      0.0);      ( 447076.4, 3763192.3,
231.8,      231.8,      0.0);
( 447093.5, 3763192.6,      231.9,      231.9,      0.0);      ( 447122.0, 3763192.6,
231.7,      231.7,      0.0);
( 447138.8, 3763192.3,      231.7,      231.7,      0.0);      ( 447168.0, 3763192.3,
231.6,      231.6,      0.0);
( 447170.7, 3763172.2,      231.4,      231.4,      0.0);      ( 447170.4, 3763158.2,
231.2,      231.2,      0.0);
( 447169.3, 3763144.9,      231.2,      231.2,      0.0);      ( 447147.5, 3763107.4,
231.5,      231.5,      0.0);
( 447146.6, 3763084.2,      231.4,      231.4,      0.0);      ( 447146.9, 3763064.3,
231.1,      231.1,      0.0);
( 447149.9, 3763038.9,      230.8,      230.8,      0.0);      ( 447148.6, 3763019.8,
230.6,      230.6,      0.0);
( 447148.6, 3762997.4,      230.2,      230.2,      0.0);      ( 447206.1, 3762958.5,
229.5,      229.5,      0.0);
( 447209.3, 3762922.5,      229.1,      229.1,      0.0);      ( 447208.4, 3762890.7,
228.9,      228.9,      0.0);
( 447145.8, 3762888.9,      228.9,      228.9,      0.0);      ( 447122.5, 3762889.1,
228.9,      228.9,      0.0);
( 447094.3, 3762890.0,      228.9,      228.9,      0.0);      ( 447071.0, 3762890.4,
229.0,      229.0,      0.0);
( 447043.6, 3762889.7,      228.9,      228.9,      0.0);      ( 447017.8, 3762888.9,
228.9,      228.9,      0.0);
( 446992.1, 3762889.1,      228.9,      228.9,      0.0);      ( 446964.3, 3762888.3,
228.9,      228.9,      0.0);
( 446940.4, 3762888.5,      228.8,      228.8,      0.0);      ( 446911.2, 3762888.1,
228.6,      228.6,      0.0);
( 446885.3, 3762889.7,      228.6,      228.6,      0.0);      ( 446862.1, 3762888.9,
228.6,      228.6,      0.0);

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops ***      10/19/22

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*** AERMET - VERSION 16216 ***
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***      13:48:15

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PAGE 147

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*** MODELOPTs:      RegDEFAULT      CONC      ELEV      URBAN      ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 446871.5, 3762779.6,      228.6,      228.6,      0.0);      ( 446926.3, 3762768.7,
228.6,      228.6,      0.0);
( 446983.7, 3762774.2,      228.6,      228.6,      0.0);      ( 447009.0, 3762774.0,
228.5,      228.5,      0.0);
( 447030.5, 3762774.4,      228.2,      228.2,      0.0);      ( 447055.4, 3762774.0,
228.0,      228.0,      0.0);
( 447076.9, 3762774.2,      228.1,      228.1,      0.0);      ( 447101.2, 3762774.4,
228.3,      228.3,      0.0);
( 447123.8, 3762774.0,      228.3,      228.3,      0.0);      ( 447148.1, 3762775.0,
228.4,      228.4,      0.0);
( 447170.2, 3762774.8,      228.5,      228.5,      0.0);      ( 447196.8, 3762775.5,
228.5,      228.5,      0.0);
( 447242.1, 3762776.6,      228.5,      228.5,      0.0);      ( 447262.3, 3762776.0,

```


*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 13:48:15

PAGE 149

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file:

KONT_V9_ADJU\KONT_v9.SFC

Met

Version: 16216

Profile file:

KONT_V9_ADJU\KONT_v9.PFL

Surface format:

FREE

Profile format:

FREE

Surface station no.: 3102
 Name: UNKNOWN
 UNKNOWN
 Year: 2012

Upper air station no.: 3190
 Name:
 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS
WD	HT	REF	TA	HT													
12	01	01	1	01	-16.4	0.171	-9.000	-9.000	-999.	170.	32.3	0.09	1.12	1.00	2.03		
43.	7.9	285.9	2.0														
12	01	01	1	02	-18.8	0.194	-9.000	-9.000	-999.	205.	41.3	0.09	1.12	1.00	2.28		
34.	7.9	285.4	2.0														
12	01	01	1	03	-17.8	0.182	-9.000	-9.000	-999.	187.	36.5	0.09	1.12	1.00	2.15		
24.	7.9	282.0	2.0														
12	01	01	1	04	-9.4	0.128	-9.000	-9.000	-999.	110.	19.6	0.09	1.12	1.00	1.55		
41.	7.9	283.1	2.0														
12	01	01	1	05	-16.9	0.173	-9.000	-9.000	-999.	173.	33.0	0.09	1.12	1.00	2.05		
39.	7.9	280.4	2.0														
12	01	01	1	06	-8.0	0.117	-9.000	-9.000	-999.	97.	17.8	0.09	1.12	1.00	1.43		
21.	7.9	282.0	2.0														
12	01	01	1	07	-7.6	0.115	-9.000	-9.000	-999.	93.	17.4	0.09	1.12	1.00	1.40		
31.	7.9	282.5	2.0														
12	01	01	1	08	-13.6	0.184	-9.000	-9.000	-999.	190.	40.5	0.09	1.12	0.54	2.16		
34.	7.9	284.2	2.0														
12	01	01	1	09	28.4	0.126	0.300	0.011	33.	108.	-6.2	0.09	1.12	0.32	1.03		
29.	7.9	289.2	2.0														
12	01	01	1	10	79.8	0.133	0.607	0.010	99.	116.	-2.6	0.09	1.12	0.25	0.94		
173.	7.9	292.5	2.0														
12	01	01	1	11	115.8	0.137	0.932	0.006	246.	121.	-2.0	0.09	1.12	0.22	0.92		
172.	7.9	295.4	2.0														
12	01	01	1	12	133.7	0.139	1.197	0.005	453.	125.	-1.8	0.09	1.12	0.21	0.92		
146.	7.9	297.5	2.0														
12	01	01	1	13	133.2	0.160	1.354	0.005	657.	153.	-2.7	0.09	1.12	0.21	1.14		
117.	7.9	299.9	2.0														
12	01	01	1	14	113.5	0.159	1.454	0.005	955.	151.	-3.1	0.09	1.12	0.23	1.16		
285.	7.9	300.9	2.0														
12	01	01	1	15	76.2	0.166	1.350	0.005	1138.	163.	-5.3	0.09	1.12	0.26	1.33		

72.	7.9	302.0	2.0											
12 01 01	1 16	23.5	0.175	0.925	0.005	1183.	175.	-19.9	0.09	1.12	0.35	1.65		
107.	7.9	301.4	2.0											
12 01 01	1 17	-6.1	0.107	-9.000	-9.000	-999.	86.	18.0	0.09	1.12	0.63	1.31		
107.	7.9	298.1	2.0											
12 01 01	1 18	-11.1	0.141	-9.000	-9.000	-999.	127.	22.1	0.09	1.12	1.00	1.69		
86.	7.9	293.1	2.0											
12 01 01	1 19	-3.2	0.076	-9.000	-9.000	-999.	51.	11.8	0.09	1.12	1.00	0.91		
64.	7.9	292.0	2.0											
12 01 01	1 20	-2.3	0.066	-9.000	-9.000	-999.	41.	11.2	0.09	1.12	1.00	0.74		
73.	7.9	288.8	2.0											
12 01 01	1 21	-10.0	0.133	-9.000	-9.000	-999.	116.	20.5	0.09	1.12	1.00	1.60		
14.	7.9	288.1	2.0											
12 01 01	1 22	-19.4	0.201	-9.000	-9.000	-999.	216.	44.5	0.09	1.12	1.00	2.36		
22.	7.9	287.5	2.0											
12 01 01	1 23	-23.7	0.246	-9.000	-9.000	-999.	293.	66.5	0.09	1.12	1.00	2.86		
40.	7.9	287.0	2.0											
12 01 01	1 24	-12.3	0.147	-9.000	-9.000	-999.	139.	23.8	0.09	1.12	1.00	1.76		
40.	7.9	283.8	2.0											

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	43.	2.03	286.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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 *** AERMET - VERSION 16216 ***
 *** 13:48:15

PAGE 150

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.00131	447375.98	
3764150.98	0.00137			
447389.75	3764043.04	0.00152	447450.16	
3764031.05	0.00141			
447410.18	3764019.05	0.00156	446891.90	
3764451.22	0.00054			
446959.28	3764451.22	0.00086	446995.28	
3764468.13	0.00076			
447007.41	3764467.30	0.00080	447023.51	
3764466.09	0.00084			
447036.59	3764466.21	0.00086	447052.68	
3764465.61	0.00089			

447066.60	3764465.73	0.00090	447099.65
3764456.17	0.00106		
447145.28	3764468.27	0.00100	447175.54
3764468.03	0.00104		
447205.32	3764468.27	0.00104	447232.43
3764467.55	0.00102		
447264.02	3764467.30	0.00097	447294.77
3764466.94	0.00092		
447364.97	3764456.41	0.00083	447406.61
3764460.65	0.00074		
447441.47	3764460.04	0.00069	447466.88
3764460.20	0.00066		
447490.00	3764460.56	0.00063	447515.50
3764460.40	0.00060		
447573.06	3764454.29	0.00056	447598.49
3764445.22	0.00055		
447652.90	3764439.70	0.00051	447692.92
3764439.51	0.00049		
447713.82	3764439.11	0.00048	447731.95
3764438.72	0.00047		
447751.07	3764438.72	0.00046	447768.82
3764437.53	0.00045		
447789.12	3764437.73	0.00044	447805.68
3764437.34	0.00044		
447824.02	3764437.20	0.00043	447841.61
3764437.87	0.00043		
447861.72	3764437.53	0.00042	447881.66
3764435.18	0.00041		
447902.78	3764436.19	0.00041	447920.87
3764435.35	0.00040		
447942.16	3764435.35	0.00040	447962.77
3764434.85	0.00039		
447980.70	3764435.18	0.00039	448004.66
3764435.18	0.00038		
448021.25	3764434.68	0.00038	447662.70
3764379.63	0.00056		
447681.30	3764320.98	0.00059	447682.64
3764285.79	0.00062		
447662.53	3764238.37	0.00068	447661.70
3764207.37	0.00072		
447683.14	3764162.29	0.00076	447680.97
3764145.87	0.00079		
447679.63	3764130.28	0.00082	447680.80
3764112.02	0.00086		
447681.47	3764096.43	0.00089	447680.80
3764078.84	0.00094		
447679.96	3764064.26	0.00098	447680.97
3764045.82	0.00104		
447680.63	3764029.74	0.00110	447657.17
3763992.03	0.00133		
447656.33	3763967.06	0.00151	447657.17
3763928.69	0.00188		
447657.17	3763902.21	0.00223	447657.51
3763869.03	0.00269		
447656.16	3763834.94	0.00308	447655.93
3763808.27	0.00318		
447657.09	3763786.00	0.00311	447701.21
3763782.14	0.00232		
447856.92	3763749.71	0.00126	447854.99
3763730.13	0.00127		
447854.35	3763698.35	0.00126	447855.31
3763676.84	0.00126		
447675.51	3763287.46	0.00265	448481.33
3763485.29	0.00050		
448479.95	3763195.53	0.00061	448478.56
3762907.16	0.00130		

448497.89 3762714.10 0.00242 448507.91
3762487.71 0.00561

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Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 151

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR
SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN **
MICROGRAMS/M**3

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD
(M) CONC

448480.49 3762357.96 0.00729 448462.73
3762339.82 0.00570
448464.47 3762265.93 0.00382 448461.57
3762165.17 0.00302
448472.57 3762064.71 0.00149 448460.48
3762016.72 0.00102
448234.63 3761951.18 0.00089 448081.42
3761952.78 0.00098
448025.53 3761955.99 0.00102 447506.75
3761967.63 0.00110
447269.29 3761967.74 0.00106 447389.46
3761908.79 0.00068
447019.14 3761964.34 0.00085 447060.33
3761963.58 0.00088
446975.31 3761963.20 0.00079 446940.92
3761953.76 0.00068
446865.72 3761974.54 0.00065 446795.06
3761957.91 0.00044
446757.65 3761965.85 0.00039 446709.33
3761967.74 0.00033
446796.42 3762028.62 0.00063 446796.97
3762045.28 0.00068
446796.70 3762089.51 0.00079 446796.15
3762105.89 0.00083
446796.70 3762137.29 0.00088 446796.15
3762153.39 0.00090
446772.40 3762215.37 0.00074 446795.06
3762321.03 0.00084
446796.42 3762450.98 0.00049 446796.42
3762471.18 0.00045
446797.24 3762496.03 0.00041 446798.06
3762516.51 0.00039
446797.79 3762539.98 0.00036 446797.52
3762560.19 0.00035
446798.61 3762584.76 0.00033 446798.06
3762604.42 0.00032

446799.70	3762654.11	0.00030	446799.97
3762674.58	0.00029		
446800.25	3762700.25	0.00029	446800.25
3762721.27	0.00029		
446799.97	3762735.74	0.00028	446797.79
3762748.02	0.00028		
446802.16	3762913.47	0.00029	446802.16
3762932.58	0.00030		
446802.43	3762949.24	0.00030	446802.98
3762967.26	0.00031		
446802.70	3762986.09	0.00032	446802.16
3763003.29	0.00032		
446802.16	3763021.86	0.00033	446802.70
3763040.70	0.00034		
446802.98	3763059.26	0.00035	446803.52
3763077.01	0.00037		
446756.29	3763085.26	0.00034	446807.68
3763646.39	0.00099		
446808.32	3763674.66	0.00100	446807.68
3763694.57	0.00099		
446808.32	3763710.63	0.00099	446808.32
3763726.37	0.00098		
446808.00	3763742.11	0.00097	446808.32
3763756.89	0.00098		
446808.64	3763798.32	0.00097	446810.25
3764484.08	0.00029		
446781.34	3764475.08	0.00027	446722.56
3764455.81	0.00023		
446170.32	3764559.79	0.00009	446872.29
3763190.26	0.00074		
446925.22	3763179.19	0.00079	446984.86
3763194.88	0.00105		
447010.56	3763193.28	0.00105	447036.58
3763193.60	0.00109		
447053.61	3763193.28	0.00112	447076.42
3763192.31	0.00117		
447093.45	3763192.63	0.00122	447122.05
3763192.63	0.00129		
447138.75	3763192.31	0.00133	447167.99
3763192.31	0.00143		
447170.68	3763172.18	0.00126	447170.41
3763158.25	0.00118		
447169.31	3763144.87	0.00113	447147.46
3763107.45	0.00092		

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*** AERMET - VERSION 16216 ***

*** 13:48:15

PAGE 152

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***

		INCLUDING SOURCE(S):	VOL1	,	VOL2	,
		VOL3	,	VOL4	,	VOL5
VOL6	,	VOL7	,	VOL8	,	VOL9
VOL11	,	VOL12	,	VOL13	,	VOL10
VOL14	,	VOL15	,	VOL16	,	VOL17
VOL19	,	VOL20	,	VOL21	,	VOL18
VOL22	,	VOL23	,	VOL24	,	VOL25
VOL27	,	VOL28	,	. . .	,	VOL26

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.00088	447146.92	
3763064.30	0.00085			
447149.92	3763038.90	0.00082	447148.56	
3763019.78	0.00079			
447148.56	3762997.39	0.00076	447206.08	
3762958.49	0.00100			
447209.33	3762922.51	0.00102	447208.40	
3762890.70	0.00100			
447145.83	3762888.87	0.00067	447122.55	
3762889.07	0.00061			
447094.33	3762890.05	0.00055	447071.04	
3762890.45	0.00051			
447043.61	3762889.66	0.00047	447017.76	
3762888.87	0.00044			
446992.11	3762889.07	0.00041	446964.28	
3762888.28	0.00039			
446940.41	3762888.47	0.00037	446911.20	
3762888.08	0.00035			
446885.35	3762889.66	0.00033	446862.07	
3762888.87	0.00032			
446871.45	3762779.57	0.00032	446926.31	
3762768.72	0.00035			
446983.74	3762774.24	0.00040	447009.00	
3762774.05	0.00042			
447030.51	3762774.44	0.00044	447055.37	
3762774.05	0.00047			
447076.88	3762774.24	0.00050	447101.16	
3762774.44	0.00053			
447123.85	3762774.05	0.00057	447148.12	
3762775.03	0.00061			
447170.23	3762774.84	0.00066	447196.78	
3762775.48	0.00073			
447242.12	3762776.57	0.00089	447262.33	
3762776.03	0.00097			
447294.56	3762776.30	0.00114	447313.13	
3762775.48	0.00124			
447313.40	3762749.53	0.00119	447327.86	
3762713.09	0.00136			
447327.36	3762679.87	0.00137	447327.74	
3762657.02	0.00136			
447327.28	3762636.82	0.00135	447327.51	
3762612.90	0.00139			
447327.28	3762592.24	0.00145	447327.04	
3762569.71	0.00157			
447327.28	3762547.89	0.00172	447326.58	
3762524.67	0.00188			
447326.58	3762506.09	0.00202	447327.51	
3762477.53	0.00229			
447325.88	3762454.31	0.00259	447225.58	
3762432.95	0.00249			
447200.27	3762430.63	0.00249	447156.85	
3762430.16	0.00255			
447131.77	3762430.86	0.00253	447102.74	
3762430.63	0.00240			
447079.06	3762430.86	0.00219	447034.94	
3762433.65	0.00186			
446995.47	3762433.65	0.00178	446972.71	
3762434.34	0.00173			
446941.37	3762434.58	0.00158	446916.06	
3762436.90	0.00128			

```

446876.35    3762436.90    0.00091    446848.85
3762647.05    0.00033
446848.85    3762563.17    0.00039    446849.17
3762509.82    0.00047
446849.17    3762455.82    0.00063    446848.85
3762702.00    0.00031
446849.49    3762754.71
0.00031

```

```

*** AERMOD - VERSION 22112 ***    *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops ***    10/19/22

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*** AERMET - VERSION 16216 ***

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***    ***    13:48:15

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PAGE 153

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*** MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ_U*

```

```

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER    5
YEARS ***

```

```

** CONC OF DPM    IN
MICROGRAMS/M**3    **

```

NETWORK

```

GROUP ID    NETWORK    AVERAGE CONC    RECEPTOR (XR, YR, ZELEV, ZHILL,
ZFLAG)    OF TYPE    GRID-ID

```

```

ALL    1ST HIGHEST VALUE IS    0.00729 AT ( 448480.49, 3762357.96, 224.76,
224.76,    0.00) DC
2ND HIGHEST VALUE IS    0.00570 AT ( 448462.73, 3762339.82, 224.57,
224.57,    0.00) DC
3RD HIGHEST VALUE IS    0.00561 AT ( 448507.91, 3762487.71, 225.77,
225.77,    0.00) DC
4TH HIGHEST VALUE IS    0.00382 AT ( 448464.47, 3762265.93, 223.32,
223.32,    0.00) DC
5TH HIGHEST VALUE IS    0.00318 AT ( 447655.93, 3763808.27, 237.51,
237.51,    0.00) DC
6TH HIGHEST VALUE IS    0.00311 AT ( 447657.09, 3763786.00, 237.62,
237.62,    0.00) DC
7TH HIGHEST VALUE IS    0.00308 AT ( 447656.16, 3763834.94, 237.37,
237.37,    0.00) DC
8TH HIGHEST VALUE IS    0.00302 AT ( 448461.57, 3762165.17, 221.96,
221.96,    0.00) DC
9TH HIGHEST VALUE IS    0.00269 AT ( 447657.51, 3763869.03, 237.32,
237.32,    0.00) DC
10TH HIGHEST VALUE IS    0.00265 AT ( 447675.51, 3763287.46, 232.04,
232.04,    0.00) DC

```

```

*** RECEPTOR TYPES:    GC = GRIDCART
                        GP = GRIDPOLR
                        DC = DISCCART
                        DP = DISCPOLR

```

```

*** AERMOD - VERSION 22112 ***    *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops ***    10/19/22

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*** AERMET - VERSION 16216 ***

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***    ***    13:48:15

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PAGE 154

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*** MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN    ADJ_U*

```

```

*** Message Summary : AERMOD Model Execution ***

```

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1628 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1278 Calm Hours Identified

A Total of 350 Missing Hours Identified (0.80 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 2215 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 2215 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/19/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\14822 Ops HRA\14822 Ops HRA.ADI
**

**
**

** AERMOD Control Pathway

**
**

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 1 PERIOD
URBANOPT 2035210 San_Bernardino_County
POLLUTID OTHER
RUNORNOT RUN
ERRORFIL "14822 Ops HRA.err"

CO FINISHED
**

** AERMOD Source Pathway

**
**

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = 2CIDLE
** DESCRSRC 2C Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 447327.637, 3763415.729, 233.12, 3.49, 4.00
** 447327.637, 3763285.645, 232.22, 3.49, 4.00
** -----

LOCATION	L0000119	VOLUME	447327.637	3763411.434	233.11
LOCATION	L0000120	VOLUME	447327.637	3763402.844	233.08
LOCATION	L0000121	VOLUME	447327.637	3763394.254	233.04
LOCATION	L0000122	VOLUME	447327.637	3763385.664	232.99
LOCATION	L0000123	VOLUME	447327.637	3763377.074	232.93
LOCATION	L0000124	VOLUME	447327.637	3763368.484	232.88
LOCATION	L0000125	VOLUME	447327.637	3763359.894	232.80
LOCATION	L0000126	VOLUME	447327.637	3763351.304	232.71
LOCATION	L0000127	VOLUME	447327.637	3763342.714	232.63
LOCATION	L0000128	VOLUME	447327.637	3763334.124	232.55
LOCATION	L0000129	VOLUME	447327.637	3763325.534	232.52
LOCATION	L0000130	VOLUME	447327.637	3763316.944	232.49
LOCATION	L0000131	VOLUME	447327.637	3763308.354	232.45
LOCATION	L0000132	VOLUME	447327.637	3763299.764	232.40
LOCATION	L0000133	VOLUME	447327.637	3763291.174	232.35

** End of LINE VOLUME Source ID = 2CIDLE
** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 3CIDLE

** DESCRSRC 3C Idle

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 447353.346, 3763116.330, 231.59, 3.49, 4.00

** 447353.346, 3762985.165, 229.80, 3.49, 4.00

**

LOCATION L0000104	VOLUME	447353.346	3763112.035	231.50
LOCATION L0000105	VOLUME	447353.346	3763103.445	231.42
LOCATION L0000106	VOLUME	447353.346	3763094.855	231.33
LOCATION L0000107	VOLUME	447353.346	3763086.265	231.24
LOCATION L0000108	VOLUME	447353.346	3763077.675	231.15
LOCATION L0000109	VOLUME	447353.346	3763069.085	231.07
LOCATION L0000110	VOLUME	447353.346	3763060.495	230.95
LOCATION L0000111	VOLUME	447353.346	3763051.905	230.82
LOCATION L0000112	VOLUME	447353.346	3763043.315	230.70
LOCATION L0000113	VOLUME	447353.346	3763034.725	230.57
LOCATION L0000114	VOLUME	447353.346	3763026.135	230.43
LOCATION L0000115	VOLUME	447353.346	3763017.545	230.30
LOCATION L0000116	VOLUME	447353.346	3763008.955	230.17
LOCATION L0000117	VOLUME	447353.346	3763000.365	230.06
LOCATION L0000118	VOLUME	447353.346	3762991.775	229.98

** End of LINE VOLUME Source ID = 3CIDLE

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 5AIDLE

** DESCRSRC 5A Idle

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 447457.778, 3762694.668, 227.01, 3.49, 4.00

** 447457.778, 3762564.555, 225.54, 3.49, 4.00

**

LOCATION L0000089	VOLUME	447457.778	3762690.373	226.92
LOCATION L0000090	VOLUME	447457.778	3762681.783	226.83
LOCATION L0000091	VOLUME	447457.778	3762673.193	226.74
LOCATION L0000092	VOLUME	447457.778	3762664.603	226.65
LOCATION L0000093	VOLUME	447457.778	3762656.013	226.57
LOCATION L0000094	VOLUME	447457.778	3762647.423	226.48
LOCATION L0000095	VOLUME	447457.778	3762638.833	226.39
LOCATION L0000096	VOLUME	447457.778	3762630.243	226.30
LOCATION L0000097	VOLUME	447457.778	3762621.653	226.22
LOCATION L0000098	VOLUME	447457.778	3762613.063	226.13
LOCATION L0000099	VOLUME	447457.778	3762604.473	226.05
LOCATION L0000100	VOLUME	447457.778	3762595.883	225.97
LOCATION L0000101	VOLUME	447457.778	3762587.293	225.88
LOCATION L0000102	VOLUME	447457.778	3762578.703	225.80
LOCATION L0000103	VOLUME	447457.778	3762570.113	225.71

** End of LINE VOLUME Source ID = 5AIDLE

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 2CON

** DESCRSRC 2C Onsite

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 447601.398, 3763477.313, 233.48, 3.49, 4.00
** 447308.150, 3763475.890, 233.48, 3.49, 4.00
** 447308.150, 3763206.842, 231.95, 3.49, 4.00
** 447601.398, 3763208.265, 231.89, 3.49, 4.00

LOCATION	L0000134	VOLUME	447597.103	3763477.292	233.48
LOCATION	L0000135	VOLUME	447588.513	3763477.251	233.48
LOCATION	L0000136	VOLUME	447579.923	3763477.209	233.48
LOCATION	L0000137	VOLUME	447571.333	3763477.167	233.48
LOCATION	L0000138	VOLUME	447562.743	3763477.125	233.48
LOCATION	L0000139	VOLUME	447554.153	3763477.084	233.48
LOCATION	L0000140	VOLUME	447545.563	3763477.042	233.48
LOCATION	L0000141	VOLUME	447536.974	3763477.000	233.48
LOCATION	L0000142	VOLUME	447528.384	3763476.959	233.48
LOCATION	L0000143	VOLUME	447519.794	3763476.917	233.48
LOCATION	L0000144	VOLUME	447511.204	3763476.875	233.48
LOCATION	L0000145	VOLUME	447502.614	3763476.834	233.48
LOCATION	L0000146	VOLUME	447494.024	3763476.792	233.48
LOCATION	L0000147	VOLUME	447485.434	3763476.750	233.48
LOCATION	L0000148	VOLUME	447476.844	3763476.709	233.48
LOCATION	L0000149	VOLUME	447468.254	3763476.667	233.48
LOCATION	L0000150	VOLUME	447459.664	3763476.625	233.48
LOCATION	L0000151	VOLUME	447451.075	3763476.583	233.48
LOCATION	L0000152	VOLUME	447442.485	3763476.542	233.48
LOCATION	L0000153	VOLUME	447433.895	3763476.500	233.48
LOCATION	L0000154	VOLUME	447425.305	3763476.458	233.48
LOCATION	L0000155	VOLUME	447416.715	3763476.417	233.48
LOCATION	L0000156	VOLUME	447408.125	3763476.375	233.48
LOCATION	L0000157	VOLUME	447399.535	3763476.333	233.48
LOCATION	L0000158	VOLUME	447390.945	3763476.292	233.48
LOCATION	L0000159	VOLUME	447382.355	3763476.250	233.48
LOCATION	L0000160	VOLUME	447373.766	3763476.208	233.48
LOCATION	L0000161	VOLUME	447365.176	3763476.166	233.48
LOCATION	L0000162	VOLUME	447356.586	3763476.125	233.48
LOCATION	L0000163	VOLUME	447347.996	3763476.083	233.48
LOCATION	L0000164	VOLUME	447339.406	3763476.041	233.48
LOCATION	L0000165	VOLUME	447330.816	3763476.000	233.48
LOCATION	L0000166	VOLUME	447322.226	3763475.958	233.48
LOCATION	L0000167	VOLUME	447313.636	3763475.916	233.48
LOCATION	L0000168	VOLUME	447308.150	3763472.786	233.47
LOCATION	L0000169	VOLUME	447308.150	3763464.196	233.47
LOCATION	L0000170	VOLUME	447308.150	3763455.606	233.46
LOCATION	L0000171	VOLUME	447308.150	3763447.016	233.37
LOCATION	L0000172	VOLUME	447308.150	3763438.426	233.29
LOCATION	L0000173	VOLUME	447308.150	3763429.836	233.21
LOCATION	L0000174	VOLUME	447308.150	3763421.246	233.12
LOCATION	L0000175	VOLUME	447308.150	3763412.656	233.03
LOCATION	L0000176	VOLUME	447308.150	3763404.066	232.95
LOCATION	L0000177	VOLUME	447308.150	3763395.476	232.87
LOCATION	L0000178	VOLUME	447308.150	3763386.886	232.87
LOCATION	L0000179	VOLUME	447308.150	3763378.296	232.87
LOCATION	L0000180	VOLUME	447308.150	3763369.706	232.87
LOCATION	L0000181	VOLUME	447308.150	3763361.116	232.81
LOCATION	L0000182	VOLUME	447308.150	3763352.526	232.73
LOCATION	L0000183	VOLUME	447308.150	3763343.936	232.64
LOCATION	L0000184	VOLUME	447308.150	3763335.346	232.55
LOCATION	L0000185	VOLUME	447308.150	3763326.756	232.47
LOCATION	L0000186	VOLUME	447308.150	3763318.166	232.38
LOCATION	L0000187	VOLUME	447308.150	3763309.576	232.29
LOCATION	L0000188	VOLUME	447308.150	3763300.986	232.26
LOCATION	L0000189	VOLUME	447308.150	3763292.396	232.25
LOCATION	L0000190	VOLUME	447308.150	3763283.806	232.25

LOCATION	VOLUME			
LOCATION L0000191	VOLUME	447308.150	3763275.216	232.23
LOCATION L0000192	VOLUME	447308.150	3763266.626	232.15
LOCATION L0000193	VOLUME	447308.150	3763258.036	232.07
LOCATION L0000194	VOLUME	447308.150	3763249.446	231.98
LOCATION L0000195	VOLUME	447308.150	3763240.856	231.95
LOCATION L0000196	VOLUME	447308.150	3763232.266	231.95
LOCATION L0000197	VOLUME	447308.150	3763223.676	231.95
LOCATION L0000198	VOLUME	447308.150	3763215.086	231.95
LOCATION L0000199	VOLUME	447308.495	3763206.843	231.95
LOCATION L0000200	VOLUME	447317.085	3763206.885	231.95
LOCATION L0000201	VOLUME	447325.675	3763206.927	231.95
LOCATION L0000202	VOLUME	447334.265	3763206.968	231.95
LOCATION L0000203	VOLUME	447342.855	3763207.010	231.98
LOCATION L0000204	VOLUME	447351.445	3763207.052	232.04
LOCATION L0000205	VOLUME	447360.035	3763207.094	232.10
LOCATION L0000206	VOLUME	447368.625	3763207.135	232.16
LOCATION L0000207	VOLUME	447377.215	3763207.177	232.16
LOCATION L0000208	VOLUME	447385.804	3763207.219	232.17
LOCATION L0000209	VOLUME	447394.394	3763207.260	232.17
LOCATION L0000210	VOLUME	447402.984	3763207.302	232.17
LOCATION L0000211	VOLUME	447411.574	3763207.344	232.17
LOCATION L0000212	VOLUME	447420.164	3763207.385	232.17
LOCATION L0000213	VOLUME	447428.754	3763207.427	232.17
LOCATION L0000214	VOLUME	447437.344	3763207.469	232.17
LOCATION L0000215	VOLUME	447445.934	3763207.511	232.17
LOCATION L0000216	VOLUME	447454.524	3763207.552	232.17
LOCATION L0000217	VOLUME	447463.114	3763207.594	232.17
LOCATION L0000218	VOLUME	447471.703	3763207.636	232.17
LOCATION L0000219	VOLUME	447480.293	3763207.677	232.17
LOCATION L0000220	VOLUME	447488.883	3763207.719	232.17
LOCATION L0000221	VOLUME	447497.473	3763207.761	232.17
LOCATION L0000222	VOLUME	447506.063	3763207.802	232.17
LOCATION L0000223	VOLUME	447514.653	3763207.844	232.17
LOCATION L0000224	VOLUME	447523.243	3763207.886	232.14
LOCATION L0000225	VOLUME	447531.833	3763207.928	232.08
LOCATION L0000226	VOLUME	447540.423	3763207.969	232.02
LOCATION L0000227	VOLUME	447549.013	3763208.011	231.96
LOCATION L0000228	VOLUME	447557.602	3763208.053	231.95
LOCATION L0000229	VOLUME	447566.192	3763208.094	231.95
LOCATION L0000230	VOLUME	447574.782	3763208.136	231.95
LOCATION L0000231	VOLUME	447583.372	3763208.178	231.94
LOCATION L0000232	VOLUME	447591.962	3763208.219	231.92
LOCATION L0000233	VOLUME	447600.552	3763208.261	231.90

** End of LINE VOLUME Source ID = 2CON

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 3CON

** DESCRSRC 3C Onsite

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 4

** 447602.821, 3763211.112, 231.91, 3.49, 4.00

** 447335.197, 3763205.418, 231.97, 3.49, 4.00

** 447335.197, 3762919.288, 228.90, 3.49, 4.00

** 447568.657, 3762919.288, 228.58, 3.49, 4.00

**

LOCATION L0000234	VOLUME	447598.527	3763211.021	231.92
LOCATION L0000235	VOLUME	447589.939	3763210.838	231.93
LOCATION L0000236	VOLUME	447581.351	3763210.655	231.95
LOCATION L0000237	VOLUME	447572.763	3763210.473	231.95
LOCATION L0000238	VOLUME	447564.175	3763210.290	231.95
LOCATION L0000239	VOLUME	447555.587	3763210.107	231.95

LOCATION	L0000240	VOLUME	447546.999	3763209.925	231.97
LOCATION	L0000241	VOLUME	447538.411	3763209.742	232.04
LOCATION	L0000242	VOLUME	447529.823	3763209.559	232.11
LOCATION	L0000243	VOLUME	447521.235	3763209.376	232.17
LOCATION	L0000244	VOLUME	447512.647	3763209.194	232.19
LOCATION	L0000245	VOLUME	447504.059	3763209.011	232.18
LOCATION	L0000246	VOLUME	447495.471	3763208.828	232.18
LOCATION	L0000247	VOLUME	447486.883	3763208.645	232.18
LOCATION	L0000248	VOLUME	447478.295	3763208.463	232.18
LOCATION	L0000249	VOLUME	447469.706	3763208.280	232.18
LOCATION	L0000250	VOLUME	447461.118	3763208.097	232.17
LOCATION	L0000251	VOLUME	447452.530	3763207.915	232.17
LOCATION	L0000252	VOLUME	447443.942	3763207.732	232.17
LOCATION	L0000253	VOLUME	447435.354	3763207.549	232.17
LOCATION	L0000254	VOLUME	447426.766	3763207.366	232.17
LOCATION	L0000255	VOLUME	447418.178	3763207.184	232.16
LOCATION	L0000256	VOLUME	447409.590	3763207.001	232.16
LOCATION	L0000257	VOLUME	447401.002	3763206.818	232.16
LOCATION	L0000258	VOLUME	447392.414	3763206.636	232.16
LOCATION	L0000259	VOLUME	447383.826	3763206.453	232.16
LOCATION	L0000260	VOLUME	447375.238	3763206.270	232.16
LOCATION	L0000261	VOLUME	447366.650	3763206.087	232.14
LOCATION	L0000262	VOLUME	447358.062	3763205.905	232.08
LOCATION	L0000263	VOLUME	447349.474	3763205.722	232.02
LOCATION	L0000264	VOLUME	447340.886	3763205.539	231.96
LOCATION	L0000265	VOLUME	447335.197	3763202.518	231.95
LOCATION	L0000266	VOLUME	447335.197	3763193.928	231.95
LOCATION	L0000267	VOLUME	447335.197	3763185.338	231.95
LOCATION	L0000268	VOLUME	447335.197	3763176.748	231.95
LOCATION	L0000269	VOLUME	447335.197	3763168.158	231.95
LOCATION	L0000270	VOLUME	447335.197	3763159.568	231.95
LOCATION	L0000271	VOLUME	447335.197	3763150.978	231.90
LOCATION	L0000272	VOLUME	447335.197	3763142.388	231.81
LOCATION	L0000273	VOLUME	447335.197	3763133.798	231.72
LOCATION	L0000274	VOLUME	447335.197	3763125.208	231.64
LOCATION	L0000275	VOLUME	447335.197	3763116.618	231.55
LOCATION	L0000276	VOLUME	447335.197	3763108.028	231.46
LOCATION	L0000277	VOLUME	447335.197	3763099.438	231.38
LOCATION	L0000278	VOLUME	447335.197	3763090.848	231.29
LOCATION	L0000279	VOLUME	447335.197	3763082.258	231.20
LOCATION	L0000280	VOLUME	447335.197	3763073.668	231.11
LOCATION	L0000281	VOLUME	447335.197	3763065.078	231.02
LOCATION	L0000282	VOLUME	447335.197	3763056.488	230.92
LOCATION	L0000283	VOLUME	447335.197	3763047.898	230.82
LOCATION	L0000284	VOLUME	447335.197	3763039.308	230.73
LOCATION	L0000285	VOLUME	447335.197	3763030.718	230.59
LOCATION	L0000286	VOLUME	447335.197	3763022.128	230.42
LOCATION	L0000287	VOLUME	447335.197	3763013.538	230.26
LOCATION	L0000288	VOLUME	447335.197	3763004.948	230.11
LOCATION	L0000289	VOLUME	447335.197	3762996.358	230.02
LOCATION	L0000290	VOLUME	447335.197	3762987.768	229.94
LOCATION	L0000291	VOLUME	447335.197	3762979.178	229.85
LOCATION	L0000292	VOLUME	447335.197	3762970.588	229.76
LOCATION	L0000293	VOLUME	447335.197	3762961.998	229.67
LOCATION	L0000294	VOLUME	447335.197	3762953.408	229.59
LOCATION	L0000295	VOLUME	447335.197	3762944.818	229.48
LOCATION	L0000296	VOLUME	447335.197	3762936.228	229.31
LOCATION	L0000297	VOLUME	447335.197	3762927.638	229.14
LOCATION	L0000298	VOLUME	447335.437	3762919.288	228.97
LOCATION	L0000299	VOLUME	447344.027	3762919.288	228.97
LOCATION	L0000300	VOLUME	447352.617	3762919.288	228.97
LOCATION	L0000301	VOLUME	447361.207	3762919.288	228.97
LOCATION	L0000302	VOLUME	447369.797	3762919.288	228.96
LOCATION	L0000303	VOLUME	447378.387	3762919.288	228.96
LOCATION	L0000304	VOLUME	447386.977	3762919.288	228.95
LOCATION	L0000305	VOLUME	447395.567	3762919.288	228.94

LOCATION	L0000306	VOLUME	447404.157	3762919.288	228.94
LOCATION	L0000307	VOLUME	447412.747	3762919.288	228.94
LOCATION	L0000308	VOLUME	447421.337	3762919.288	228.94
LOCATION	L0000309	VOLUME	447429.927	3762919.288	228.94
LOCATION	L0000310	VOLUME	447438.517	3762919.288	228.94
LOCATION	L0000311	VOLUME	447447.107	3762919.288	228.94
LOCATION	L0000312	VOLUME	447455.697	3762919.288	228.94
LOCATION	L0000313	VOLUME	447464.287	3762919.288	228.89
LOCATION	L0000314	VOLUME	447472.877	3762919.288	228.81
LOCATION	L0000315	VOLUME	447481.467	3762919.288	228.73
LOCATION	L0000316	VOLUME	447490.057	3762919.288	228.66
LOCATION	L0000317	VOLUME	447498.647	3762919.288	228.65
LOCATION	L0000318	VOLUME	447507.237	3762919.288	228.64
LOCATION	L0000319	VOLUME	447515.827	3762919.288	228.63
LOCATION	L0000320	VOLUME	447524.417	3762919.288	228.63
LOCATION	L0000321	VOLUME	447533.007	3762919.288	228.63
LOCATION	L0000322	VOLUME	447541.597	3762919.288	228.63
LOCATION	L0000323	VOLUME	447550.187	3762919.288	228.63
LOCATION	L0000324	VOLUME	447558.777	3762919.288	228.63
LOCATION	L0000325	VOLUME	447567.367	3762919.288	228.63

** End of LINE VOLUME Source ID = 3CON

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 5AON

** DESCRSRC 5A Onsite

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 3

** 447426.303, 3762423.898, 224.14, 3.49, 4.00

** 447424.880, 3762768.393, 227.68, 3.49, 4.00

** 447562.962, 3762768.393, 227.36, 3.49, 4.00

**

LOCATION	L0000326	VOLUME	447426.285	3762428.193	224.17
LOCATION	L0000327	VOLUME	447426.250	3762436.783	224.34
LOCATION	L0000328	VOLUME	447426.214	3762445.373	224.42
LOCATION	L0000329	VOLUME	447426.179	3762453.963	224.51
LOCATION	L0000330	VOLUME	447426.143	3762462.553	224.60
LOCATION	L0000331	VOLUME	447426.108	3762471.143	224.69
LOCATION	L0000332	VOLUME	447426.072	3762479.732	224.79
LOCATION	L0000333	VOLUME	447426.037	3762488.322	224.89
LOCATION	L0000334	VOLUME	447426.001	3762496.912	224.99
LOCATION	L0000335	VOLUME	447425.966	3762505.502	225.15
LOCATION	L0000336	VOLUME	447425.930	3762514.092	225.32
LOCATION	L0000337	VOLUME	447425.895	3762522.682	225.48
LOCATION	L0000338	VOLUME	447425.859	3762531.272	225.60
LOCATION	L0000339	VOLUME	447425.824	3762539.862	225.69
LOCATION	L0000340	VOLUME	447425.788	3762548.452	225.78
LOCATION	L0000341	VOLUME	447425.753	3762557.042	225.86
LOCATION	L0000342	VOLUME	447425.717	3762565.632	225.95
LOCATION	L0000343	VOLUME	447425.682	3762574.222	226.04
LOCATION	L0000344	VOLUME	447425.646	3762582.812	226.13
LOCATION	L0000345	VOLUME	447425.611	3762591.402	226.17
LOCATION	L0000346	VOLUME	447425.575	3762599.991	226.18
LOCATION	L0000347	VOLUME	447425.540	3762608.581	226.19
LOCATION	L0000348	VOLUME	447425.504	3762617.171	226.21
LOCATION	L0000349	VOLUME	447425.469	3762625.761	226.30
LOCATION	L0000350	VOLUME	447425.433	3762634.351	226.39
LOCATION	L0000351	VOLUME	447425.398	3762642.941	226.47
LOCATION	L0000352	VOLUME	447425.363	3762651.531	226.56
LOCATION	L0000353	VOLUME	447425.327	3762660.121	226.65
LOCATION	L0000354	VOLUME	447425.292	3762668.711	226.74
LOCATION	L0000355	VOLUME	447425.256	3762677.301	226.83

LOCATION	VOLUME				
LOCATION L0000356	VOLUME	447425.221	3762685.891	227.01	
LOCATION L0000357	VOLUME	447425.185	3762694.481	227.18	
LOCATION L0000358	VOLUME	447425.150	3762703.071	227.36	
LOCATION L0000359	VOLUME	447425.114	3762711.660	227.43	
LOCATION L0000360	VOLUME	447425.079	3762720.250	227.45	
LOCATION L0000361	VOLUME	447425.043	3762728.840	227.46	
LOCATION L0000362	VOLUME	447425.008	3762737.430	227.48	
LOCATION L0000363	VOLUME	447424.972	3762746.020	227.56	
LOCATION L0000364	VOLUME	447424.937	3762754.610	227.63	
LOCATION L0000365	VOLUME	447424.901	3762763.200	227.70	
LOCATION L0000366	VOLUME	447428.276	3762768.393	227.72	
LOCATION L0000367	VOLUME	447436.866	3762768.393	227.63	
LOCATION L0000368	VOLUME	447445.456	3762768.393	227.54	
LOCATION L0000369	VOLUME	447454.046	3762768.393	227.46	
LOCATION L0000370	VOLUME	447462.636	3762768.393	227.40	
LOCATION L0000371	VOLUME	447471.226	3762768.393	227.40	
LOCATION L0000372	VOLUME	447479.816	3762768.393	227.40	
LOCATION L0000373	VOLUME	447488.406	3762768.393	227.40	
LOCATION L0000374	VOLUME	447496.996	3762768.393	227.40	
LOCATION L0000375	VOLUME	447505.586	3762768.393	227.40	
LOCATION L0000376	VOLUME	447514.176	3762768.393	227.40	
LOCATION L0000377	VOLUME	447522.766	3762768.393	227.40	
LOCATION L0000378	VOLUME	447531.356	3762768.393	227.40	
LOCATION L0000379	VOLUME	447539.946	3762768.393	227.40	
LOCATION L0000380	VOLUME	447548.536	3762768.393	227.40	
LOCATION L0000381	VOLUME	447557.126	3762768.393	227.40	

** End of LINE VOLUME Source ID = 5AON

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 6AIDLE

** DESCRSRC 6A Idle

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 447921.693, 3762711.452, 227.36, 3.49, 4.00

** 448222.059, 3762712.875, 226.23, 3.49, 4.00

**

LOCATION L0000382	VOLUME	447925.988	3762711.472	227.43	
LOCATION L0000383	VOLUME	447934.578	3762711.513	227.43	
LOCATION L0000384	VOLUME	447943.168	3762711.554	227.44	
LOCATION L0000385	VOLUME	447951.758	3762711.594	227.46	
LOCATION L0000386	VOLUME	447960.348	3762711.635	227.47	
LOCATION L0000387	VOLUME	447968.937	3762711.676	227.49	
LOCATION L0000388	VOLUME	447977.527	3762711.716	227.49	
LOCATION L0000389	VOLUME	447986.117	3762711.757	227.49	
LOCATION L0000390	VOLUME	447994.707	3762711.798	227.49	
LOCATION L0000391	VOLUME	448003.297	3762711.839	227.49	
LOCATION L0000392	VOLUME	448011.887	3762711.879	227.47	
LOCATION L0000393	VOLUME	448020.477	3762711.920	227.45	
LOCATION L0000394	VOLUME	448029.067	3762711.961	227.44	
LOCATION L0000395	VOLUME	448037.657	3762712.001	227.37	
LOCATION L0000396	VOLUME	448046.247	3762712.042	227.30	
LOCATION L0000397	VOLUME	448054.836	3762712.083	227.23	
LOCATION L0000398	VOLUME	448063.426	3762712.124	227.19	
LOCATION L0000399	VOLUME	448072.016	3762712.164	227.17	
LOCATION L0000400	VOLUME	448080.606	3762712.205	227.15	
LOCATION L0000401	VOLUME	448089.196	3762712.246	227.14	
LOCATION L0000402	VOLUME	448097.786	3762712.286	227.07	
LOCATION L0000403	VOLUME	448106.376	3762712.327	227.00	
LOCATION L0000404	VOLUME	448114.966	3762712.368	226.93	
LOCATION L0000405	VOLUME	448123.556	3762712.409	226.89	
LOCATION L0000406	VOLUME	448132.146	3762712.449	226.87	

LOCATION	VOLUME				
L0000407	448140.736	3762712.490	226.85		
L0000408	448149.325	3762712.531	226.83		
L0000409	448157.915	3762712.571	226.77		
L0000410	448166.505	3762712.612	226.70		
L0000411	448175.095	3762712.653	226.63		
L0000412	448183.685	3762712.693	226.56		
L0000413	448192.275	3762712.734	226.49		
L0000414	448200.865	3762712.775	226.43		
L0000415	448209.455	3762712.816	226.36		
L0000416	448218.045	3762712.856	226.43		

** End of LINE VOLUME Source ID = 6AIDLE

**

 ** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 6AON

** DESCRSRC 6A Onsite

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 447594.273, 3762768.393, 227.36, 3.49, 4.00

** 448397.155, 3762754.158, 228.61, 3.49, 4.00

**

L0000417	447598.567	3762768.317	227.40		
L0000418	447607.156	3762768.165	227.40		
L0000419	447615.745	3762768.013	227.39		
L0000420	447624.333	3762767.861	227.39		
L0000421	447632.922	3762767.708	227.38		
L0000422	447641.511	3762767.556	227.36		
L0000423	447650.099	3762767.404	227.28		
L0000424	447658.688	3762767.251	227.19		
L0000425	447667.277	3762767.099	227.11		
L0000426	447675.865	3762766.947	227.08		
L0000427	447684.454	3762766.795	227.08		
L0000428	447693.043	3762766.642	227.08		
L0000429	447701.631	3762766.490	227.08		
L0000430	447710.220	3762766.338	227.08		
L0000431	447718.808	3762766.185	227.08		
L0000432	447727.397	3762766.033	227.08		
L0000433	447735.986	3762765.881	227.14		
L0000434	447744.574	3762765.729	227.23		
L0000435	447753.163	3762765.576	227.31		
L0000436	447761.752	3762765.424	227.37		
L0000437	447770.340	3762765.272	227.37		
L0000438	447778.929	3762765.119	227.37		
L0000439	447787.518	3762764.967	227.37		
L0000440	447796.106	3762764.815	227.37		
L0000441	447804.695	3762764.663	227.37		
L0000442	447813.284	3762764.510	227.38		
L0000443	447821.872	3762764.358	227.40		
L0000444	447830.461	3762764.206	227.48		
L0000445	447839.050	3762764.053	227.57		
L0000446	447847.638	3762763.901	227.64		
L0000447	447856.227	3762763.749	227.72		
L0000448	447864.816	3762763.597	227.80		
L0000449	447873.404	3762763.444	227.88		
L0000450	447881.993	3762763.292	227.93		
L0000451	447890.581	3762763.140	227.94		
L0000452	447899.170	3762762.988	227.95		
L0000453	447907.759	3762762.835	227.95		
L0000454	447916.347	3762762.683	228.02		
L0000455	447924.936	3762762.531	228.09		
L0000456	447933.525	3762762.378	228.16		
L0000457	447942.113	3762762.226	228.22		

LOCATION L0000458	VOLUME	447950.702	3762762.074	228.23
LOCATION L0000459	VOLUME	447959.291	3762761.922	228.24
LOCATION L0000460	VOLUME	447967.879	3762761.769	228.25
LOCATION L0000461	VOLUME	447976.468	3762761.617	228.25
LOCATION L0000462	VOLUME	447985.057	3762761.465	228.25
LOCATION L0000463	VOLUME	447993.645	3762761.312	228.24
LOCATION L0000464	VOLUME	448002.234	3762761.160	228.24
LOCATION L0000465	VOLUME	448010.823	3762761.008	228.22
LOCATION L0000466	VOLUME	448019.411	3762760.856	228.20
LOCATION L0000467	VOLUME	448028.000	3762760.703	228.18
LOCATION L0000468	VOLUME	448036.589	3762760.551	228.12
LOCATION L0000469	VOLUME	448045.177	3762760.399	228.05
LOCATION L0000470	VOLUME	448053.766	3762760.246	227.97
LOCATION L0000471	VOLUME	448062.354	3762760.094	227.92
LOCATION L0000472	VOLUME	448070.943	3762759.942	227.90
LOCATION L0000473	VOLUME	448079.532	3762759.790	227.88
LOCATION L0000474	VOLUME	448088.120	3762759.637	227.86
LOCATION L0000475	VOLUME	448096.709	3762759.485	227.79
LOCATION L0000476	VOLUME	448105.298	3762759.333	227.72
LOCATION L0000477	VOLUME	448113.886	3762759.180	227.66
LOCATION L0000478	VOLUME	448122.475	3762759.028	227.60
LOCATION L0000479	VOLUME	448131.064	3762758.876	227.58
LOCATION L0000480	VOLUME	448139.652	3762758.724	227.56
LOCATION L0000481	VOLUME	448148.241	3762758.571	227.53
LOCATION L0000482	VOLUME	448156.830	3762758.419	227.47
LOCATION L0000483	VOLUME	448165.418	3762758.267	227.40
LOCATION L0000484	VOLUME	448174.007	3762758.115	227.34
LOCATION L0000485	VOLUME	448182.596	3762757.962	227.30
LOCATION L0000486	VOLUME	448191.184	3762757.810	227.29
LOCATION L0000487	VOLUME	448199.773	3762757.658	227.29
LOCATION L0000488	VOLUME	448208.362	3762757.505	227.29
LOCATION L0000489	VOLUME	448216.950	3762757.353	227.29
LOCATION L0000490	VOLUME	448225.539	3762757.201	227.29
LOCATION L0000491	VOLUME	448234.127	3762757.049	227.29
LOCATION L0000492	VOLUME	448242.716	3762756.896	227.31
LOCATION L0000493	VOLUME	448251.305	3762756.744	227.37
LOCATION L0000494	VOLUME	448259.893	3762756.592	227.42
LOCATION L0000495	VOLUME	448268.482	3762756.439	227.48
LOCATION L0000496	VOLUME	448277.071	3762756.287	227.51
LOCATION L0000497	VOLUME	448285.659	3762756.135	227.53
LOCATION L0000498	VOLUME	448294.248	3762755.983	227.56
LOCATION L0000499	VOLUME	448302.837	3762755.830	227.59
LOCATION L0000500	VOLUME	448311.425	3762755.678	227.62
LOCATION L0000501	VOLUME	448320.014	3762755.526	227.65
LOCATION L0000502	VOLUME	448328.603	3762755.373	227.68
LOCATION L0000503	VOLUME	448337.191	3762755.221	227.76
LOCATION L0000504	VOLUME	448345.780	3762755.069	227.85
LOCATION L0000505	VOLUME	448354.369	3762754.917	227.94
LOCATION L0000506	VOLUME	448362.957	3762754.764	228.06
LOCATION L0000507	VOLUME	448371.546	3762754.612	228.24
LOCATION L0000508	VOLUME	448380.135	3762754.460	228.41
LOCATION L0000509	VOLUME	448388.723	3762754.308	228.59

** End of LINE VOLUME Source ID = 6AON

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 1MC100

** DESCRSRC 2C,3C,5A Mill Creek 100%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 9

** 447618.590, 3763480.383, 233.48, 3.49, 4.00

** 447618.590, 3763210.448, 231.87, 3.49, 4.00

** 447616.620, 3763109.961, 231.18, 3.49, 4.00
** 447573.272, 3762914.898, 228.59, 3.49, 4.00
** 447569.332, 3762841.996, 227.99, 3.49, 4.00
** 447575.243, 3762769.094, 227.37, 3.49, 4.00
** 447614.649, 3762522.802, 224.62, 3.49, 4.00
** 447624.501, 3762499.158, 224.31, 3.49, 4.00
** 447618.590, 3762424.286, 223.64, 3.49, 4.00

**

LOCATION L0000510 VOLUME 447618.590 3763476.088 233.48
LOCATION L0000511 VOLUME 447618.590 3763467.498 233.48
LOCATION L0000512 VOLUME 447618.590 3763458.908 233.48
LOCATION L0000513 VOLUME 447618.590 3763450.318 233.42
LOCATION L0000514 VOLUME 447618.590 3763441.728 233.33
LOCATION L0000515 VOLUME 447618.590 3763433.138 233.24
LOCATION L0000516 VOLUME 447618.590 3763424.548 233.17
LOCATION L0000517 VOLUME 447618.590 3763415.958 233.14
LOCATION L0000518 VOLUME 447618.590 3763407.368 233.11
LOCATION L0000519 VOLUME 447618.590 3763398.778 233.09
LOCATION L0000520 VOLUME 447618.590 3763390.188 233.04
LOCATION L0000521 VOLUME 447618.590 3763381.598 232.98
LOCATION L0000522 VOLUME 447618.590 3763373.008 232.91
LOCATION L0000523 VOLUME 447618.590 3763364.418 232.85
LOCATION L0000524 VOLUME 447618.590 3763355.828 232.76
LOCATION L0000525 VOLUME 447618.590 3763347.238 232.67
LOCATION L0000526 VOLUME 447618.590 3763338.648 232.59
LOCATION L0000527 VOLUME 447618.590 3763330.058 232.54
LOCATION L0000528 VOLUME 447618.590 3763321.468 232.52
LOCATION L0000529 VOLUME 447618.590 3763312.878 232.49
LOCATION L0000530 VOLUME 447618.590 3763304.288 232.45
LOCATION L0000531 VOLUME 447618.590 3763295.698 232.36
LOCATION L0000532 VOLUME 447618.590 3763287.108 232.27
LOCATION L0000533 VOLUME 447618.590 3763278.518 232.19
LOCATION L0000534 VOLUME 447618.590 3763269.928 232.12
LOCATION L0000535 VOLUME 447618.590 3763261.338 232.06
LOCATION L0000536 VOLUME 447618.590 3763252.748 232.00
LOCATION L0000537 VOLUME 447618.590 3763244.158 231.95
LOCATION L0000538 VOLUME 447618.590 3763235.568 231.92
LOCATION L0000539 VOLUME 447618.590 3763226.978 231.89
LOCATION L0000540 VOLUME 447618.590 3763218.388 231.87
LOCATION L0000541 VOLUME 447618.577 3763209.798 231.81
LOCATION L0000542 VOLUME 447618.409 3763201.210 231.75
LOCATION L0000543 VOLUME 447618.241 3763192.622 231.69
LOCATION L0000544 VOLUME 447618.072 3763184.033 231.64
LOCATION L0000545 VOLUME 447617.904 3763175.445 231.62
LOCATION L0000546 VOLUME 447617.735 3763166.857 231.59
LOCATION L0000547 VOLUME 447617.567 3763158.268 231.57
LOCATION L0000548 VOLUME 447617.399 3763149.680 231.50
LOCATION L0000549 VOLUME 447617.230 3763141.092 231.41
LOCATION L0000550 VOLUME 447617.062 3763132.503 231.33
LOCATION L0000551 VOLUME 447616.893 3763123.915 231.24
LOCATION L0000552 VOLUME 447616.725 3763115.326 231.16
LOCATION L0000553 VOLUME 447615.920 3763106.814 231.08
LOCATION L0000554 VOLUME 447614.057 3763098.429 231.01
LOCATION L0000555 VOLUME 447612.194 3763090.043 230.89
LOCATION L0000556 VOLUME 447610.330 3763081.658 230.74
LOCATION L0000557 VOLUME 447608.467 3763073.272 230.58
LOCATION L0000558 VOLUME 447606.603 3763064.887 230.44
LOCATION L0000559 VOLUME 447604.740 3763056.502 230.38
LOCATION L0000560 VOLUME 447602.876 3763048.116 230.31
LOCATION L0000561 VOLUME 447601.013 3763039.731 230.24
LOCATION L0000562 VOLUME 447599.150 3763031.345 230.16
LOCATION L0000563 VOLUME 447597.286 3763022.960 230.06
LOCATION L0000564 VOLUME 447595.423 3763014.574 229.94
LOCATION L0000565 VOLUME 447593.559 3763006.189 229.82
LOCATION L0000566 VOLUME 447591.696 3762997.803 229.70
LOCATION L0000567 VOLUME 447589.832 3762989.418 229.59

LOCATION	L0000568	VOLUME	447587.969	3762981.033	229.49
LOCATION	L0000569	VOLUME	447586.106	3762972.647	229.38
LOCATION	L0000570	VOLUME	447584.242	3762964.262	229.24
LOCATION	L0000571	VOLUME	447582.379	3762955.876	229.09
LOCATION	L0000572	VOLUME	447580.515	3762947.491	228.93
LOCATION	L0000573	VOLUME	447578.652	3762939.105	228.83
LOCATION	L0000574	VOLUME	447576.788	3762930.720	228.75
LOCATION	L0000575	VOLUME	447574.925	3762922.334	228.66
LOCATION	L0000576	VOLUME	447573.220	3762913.927	228.58
LOCATION	L0000577	VOLUME	447572.756	3762905.350	228.49
LOCATION	L0000578	VOLUME	447572.293	3762896.772	228.40
LOCATION	L0000579	VOLUME	447571.829	3762888.195	228.31
LOCATION	L0000580	VOLUME	447571.365	3762879.617	228.23
LOCATION	L0000581	VOLUME	447570.902	3762871.040	228.14
LOCATION	L0000582	VOLUME	447570.438	3762862.462	228.05
LOCATION	L0000583	VOLUME	447569.974	3762853.885	227.99
LOCATION	L0000584	VOLUME	447569.511	3762845.307	227.99
LOCATION	L0000585	VOLUME	447569.758	3762836.739	227.99
LOCATION	L0000586	VOLUME	447570.452	3762828.178	227.99
LOCATION	L0000587	VOLUME	447571.146	3762819.616	227.92
LOCATION	L0000588	VOLUME	447571.841	3762811.054	227.84
LOCATION	L0000589	VOLUME	447572.535	3762802.492	227.75
LOCATION	L0000590	VOLUME	447573.229	3762793.930	227.66
LOCATION	L0000591	VOLUME	447573.923	3762785.368	227.57
LOCATION	L0000592	VOLUME	447574.617	3762776.806	227.49
LOCATION	L0000593	VOLUME	447575.377	3762768.252	227.40
LOCATION	L0000594	VOLUME	447576.735	3762759.770	227.31
LOCATION	L0000595	VOLUME	447578.092	3762751.288	227.23
LOCATION	L0000596	VOLUME	447579.449	3762742.806	227.14
LOCATION	L0000597	VOLUME	447580.806	3762734.324	227.06
LOCATION	L0000598	VOLUME	447582.163	3762725.842	226.97
LOCATION	L0000599	VOLUME	447583.520	3762717.359	226.88
LOCATION	L0000600	VOLUME	447584.877	3762708.877	226.80
LOCATION	L0000601	VOLUME	447586.234	3762700.395	226.65
LOCATION	L0000602	VOLUME	447587.592	3762691.913	226.48
LOCATION	L0000603	VOLUME	447588.949	3762683.431	226.31
LOCATION	L0000604	VOLUME	447590.306	3762674.949	226.15
LOCATION	L0000605	VOLUME	447591.663	3762666.467	226.06
LOCATION	L0000606	VOLUME	447593.020	3762657.985	225.98
LOCATION	L0000607	VOLUME	447594.377	3762649.503	225.89
LOCATION	L0000608	VOLUME	447595.734	3762641.020	225.80
LOCATION	L0000609	VOLUME	447597.092	3762632.538	225.72
LOCATION	L0000610	VOLUME	447598.449	3762624.056	225.63
LOCATION	L0000611	VOLUME	447599.806	3762615.574	225.54
LOCATION	L0000612	VOLUME	447601.163	3762607.092	225.46
LOCATION	L0000613	VOLUME	447602.520	3762598.610	225.37
LOCATION	L0000614	VOLUME	447603.877	3762590.128	225.29
LOCATION	L0000615	VOLUME	447605.234	3762581.646	225.20
LOCATION	L0000616	VOLUME	447606.592	3762573.164	225.11
LOCATION	L0000617	VOLUME	447607.949	3762564.681	225.03
LOCATION	L0000618	VOLUME	447609.306	3762556.199	224.94
LOCATION	L0000619	VOLUME	447610.663	3762547.717	224.86
LOCATION	L0000620	VOLUME	447612.020	3762539.235	224.77
LOCATION	L0000621	VOLUME	447613.377	3762530.753	224.68
LOCATION	L0000622	VOLUME	447614.856	3762522.305	224.60
LOCATION	L0000623	VOLUME	447618.160	3762514.376	224.52
LOCATION	L0000624	VOLUME	447621.464	3762506.447	224.44
LOCATION	L0000625	VOLUME	447624.446	3762498.467	224.35
LOCATION	L0000626	VOLUME	447623.770	3762489.903	224.27
LOCATION	L0000627	VOLUME	447623.094	3762481.340	224.18
LOCATION	L0000628	VOLUME	447622.418	3762472.777	224.09
LOCATION	L0000629	VOLUME	447621.742	3762464.213	224.01
LOCATION	L0000630	VOLUME	447621.066	3762455.650	223.92
LOCATION	L0000631	VOLUME	447620.390	3762447.086	223.83
LOCATION	L0000632	VOLUME	447619.714	3762438.523	223.75
LOCATION	L0000633	VOLUME	447619.038	3762429.960	223.68

** End of LINE VOLUME Source ID = 1MC100

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 1OR15

** DESCRSRC 2C,3C,5A Ontario Ranch 15%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 11

** 447622.561, 3762407.296, 223.49, 3.49, 6.51

** 446777.841, 3762397.098, 222.80, 3.49, 6.51

** 446686.061, 3762376.703, 222.82, 3.49, 6.51

** 446578.984, 3762332.512, 223.53, 3.49, 6.51

** 446422.617, 3762227.135, 223.00, 3.49, 6.51

** 446228.858, 3762087.764, 221.00, 3.49, 6.51

** 446150.675, 3762043.574, 220.18, 3.49, 6.51

** 446108.184, 3762028.277, 219.83, 3.49, 6.51

** 446045.297, 3762011.281, 218.03, 3.49, 6.51

** 445887.231, 3761999.383, 216.92, 3.49, 6.51

** 444459.246, 3762015.599, 215.00, 3.49, 6.51

**

LOCATION	L0000634	VOLUME	447615.562	3762407.212	223.49
LOCATION	L0000635	VOLUME	447601.563	3762407.043	223.43
LOCATION	L0000636	VOLUME	447587.564	3762406.874	223.42
LOCATION	L0000637	VOLUME	447573.565	3762406.705	223.42
LOCATION	L0000638	VOLUME	447559.566	3762406.536	223.42
LOCATION	L0000639	VOLUME	447545.567	3762406.367	223.42
LOCATION	L0000640	VOLUME	447531.568	3762406.198	223.42
LOCATION	L0000641	VOLUME	447517.569	3762406.029	223.43
LOCATION	L0000642	VOLUME	447503.570	3762405.860	223.57
LOCATION	L0000643	VOLUME	447489.571	3762405.691	223.71
LOCATION	L0000644	VOLUME	447475.572	3762405.522	223.71
LOCATION	L0000645	VOLUME	447461.573	3762405.353	223.70
LOCATION	L0000646	VOLUME	447447.574	3762405.184	223.70
LOCATION	L0000647	VOLUME	447433.575	3762405.015	223.71
LOCATION	L0000648	VOLUME	447419.576	3762404.846	223.71
LOCATION	L0000649	VOLUME	447405.577	3762404.677	223.71
LOCATION	L0000650	VOLUME	447391.578	3762404.508	223.70
LOCATION	L0000651	VOLUME	447377.579	3762404.339	223.70
LOCATION	L0000652	VOLUME	447363.580	3762404.170	223.70
LOCATION	L0000653	VOLUME	447349.581	3762404.001	223.70
LOCATION	L0000654	VOLUME	447335.582	3762403.832	223.70
LOCATION	L0000655	VOLUME	447321.583	3762403.663	223.70
LOCATION	L0000656	VOLUME	447307.584	3762403.494	223.69
LOCATION	L0000657	VOLUME	447293.585	3762403.325	223.69
LOCATION	L0000658	VOLUME	447279.586	3762403.156	223.69
LOCATION	L0000659	VOLUME	447265.587	3762402.987	223.69
LOCATION	L0000660	VOLUME	447251.588	3762402.818	223.69
LOCATION	L0000661	VOLUME	447237.589	3762402.649	223.67
LOCATION	L0000662	VOLUME	447223.590	3762402.480	223.65
LOCATION	L0000663	VOLUME	447209.591	3762402.311	223.56
LOCATION	L0000664	VOLUME	447195.592	3762402.142	223.43
LOCATION	L0000665	VOLUME	447181.593	3762401.973	223.37
LOCATION	L0000666	VOLUME	447167.594	3762401.804	223.37
LOCATION	L0000667	VOLUME	447153.595	3762401.635	223.31
LOCATION	L0000668	VOLUME	447139.596	3762401.466	223.17
LOCATION	L0000669	VOLUME	447125.597	3762401.297	223.06
LOCATION	L0000670	VOLUME	447111.598	3762401.128	223.03
LOCATION	L0000671	VOLUME	447097.599	3762400.959	222.97
LOCATION	L0000672	VOLUME	447083.600	3762400.790	222.71
LOCATION	L0000673	VOLUME	447069.601	3762400.621	222.45
LOCATION	L0000674	VOLUME	447055.602	3762400.452	222.42
LOCATION	L0000675	VOLUME	447041.603	3762400.283	222.39

LOCATION	L0000676	VOLUME	447027.604	3762400.114	222.38
LOCATION	L0000677	VOLUME	447013.606	3762399.945	222.37
LOCATION	L0000678	VOLUME	446999.607	3762399.776	222.47
LOCATION	L0000679	VOLUME	446985.608	3762399.607	222.61
LOCATION	L0000680	VOLUME	446971.609	3762399.438	222.77
LOCATION	L0000681	VOLUME	446957.610	3762399.269	222.94
LOCATION	L0000682	VOLUME	446943.611	3762399.100	223.04
LOCATION	L0000683	VOLUME	446929.612	3762398.931	223.04
LOCATION	L0000684	VOLUME	446915.613	3762398.762	223.08
LOCATION	L0000685	VOLUME	446901.614	3762398.593	223.22
LOCATION	L0000686	VOLUME	446887.615	3762398.424	223.34
LOCATION	L0000687	VOLUME	446873.616	3762398.255	223.34
LOCATION	L0000688	VOLUME	446859.617	3762398.086	223.33
LOCATION	L0000689	VOLUME	446845.618	3762397.917	223.33
LOCATION	L0000690	VOLUME	446831.619	3762397.748	223.33
LOCATION	L0000691	VOLUME	446817.620	3762397.579	223.21
LOCATION	L0000692	VOLUME	446803.621	3762397.410	223.07
LOCATION	L0000693	VOLUME	446789.622	3762397.241	222.92
LOCATION	L0000694	VOLUME	446775.676	3762396.617	222.77
LOCATION	L0000695	VOLUME	446762.009	3762393.580	222.68
LOCATION	L0000696	VOLUME	446748.342	3762390.543	222.65
LOCATION	L0000697	VOLUME	446734.676	3762387.506	222.67
LOCATION	L0000698	VOLUME	446721.009	3762384.469	222.77
LOCATION	L0000699	VOLUME	446707.342	3762381.432	222.86
LOCATION	L0000700	VOLUME	446693.676	3762378.395	222.83
LOCATION	L0000701	VOLUME	446680.330	3762374.338	222.81
LOCATION	L0000702	VOLUME	446667.389	3762368.997	222.90
LOCATION	L0000703	VOLUME	446654.448	3762363.656	222.96
LOCATION	L0000704	VOLUME	446641.507	3762358.315	223.01
LOCATION	L0000705	VOLUME	446628.565	3762352.974	223.09
LOCATION	L0000706	VOLUME	446615.624	3762347.634	223.16
LOCATION	L0000707	VOLUME	446602.683	3762342.293	223.26
LOCATION	L0000708	VOLUME	446589.742	3762336.952	223.32
LOCATION	L0000709	VOLUME	446577.025	3762331.192	223.39
LOCATION	L0000710	VOLUME	446565.415	3762323.368	223.43
LOCATION	L0000711	VOLUME	446553.806	3762315.544	223.48
LOCATION	L0000712	VOLUME	446542.196	3762307.720	223.00
LOCATION	L0000713	VOLUME	446530.586	3762299.896	223.00
LOCATION	L0000714	VOLUME	446518.976	3762292.073	223.00
LOCATION	L0000715	VOLUME	446507.367	3762284.249	223.00
LOCATION	L0000716	VOLUME	446495.757	3762276.425	223.00
LOCATION	L0000717	VOLUME	446484.147	3762268.601	223.00
LOCATION	L0000718	VOLUME	446472.538	3762260.777	223.00
LOCATION	L0000719	VOLUME	446460.928	3762252.953	222.92
LOCATION	L0000720	VOLUME	446449.318	3762245.129	222.88
LOCATION	L0000721	VOLUME	446437.708	3762237.305	223.00
LOCATION	L0000722	VOLUME	446426.099	3762229.481	223.00
LOCATION	L0000723	VOLUME	446414.660	3762221.411	222.97
LOCATION	L0000724	VOLUME	446403.295	3762213.236	223.00
LOCATION	L0000725	VOLUME	446391.930	3762205.061	223.00
LOCATION	L0000726	VOLUME	446380.564	3762196.886	223.00
LOCATION	L0000727	VOLUME	446369.199	3762188.711	223.00
LOCATION	L0000728	VOLUME	446357.834	3762180.536	223.00
LOCATION	L0000729	VOLUME	446346.468	3762172.361	222.92
LOCATION	L0000730	VOLUME	446335.103	3762164.186	222.49
LOCATION	L0000731	VOLUME	446323.738	3762156.011	222.09
LOCATION	L0000732	VOLUME	446312.373	3762147.836	222.00
LOCATION	L0000733	VOLUME	446301.007	3762139.661	222.00
LOCATION	L0000734	VOLUME	446289.642	3762131.486	222.00
LOCATION	L0000735	VOLUME	446278.277	3762123.311	221.84
LOCATION	L0000736	VOLUME	446266.912	3762115.136	221.47
LOCATION	L0000737	VOLUME	446255.546	3762106.961	221.02
LOCATION	L0000738	VOLUME	446244.181	3762098.786	221.00
LOCATION	L0000739	VOLUME	446232.816	3762090.611	221.00
LOCATION	L0000740	VOLUME	446220.914	3762083.274	220.93
LOCATION	L0000741	VOLUME	446208.727	3762076.386	221.00

LOCATION	L0000742	VOLUME	446196.539	3762069.497	220.93
LOCATION	L0000743	VOLUME	446184.351	3762062.608	220.73
LOCATION	L0000744	VOLUME	446172.163	3762055.719	220.71
LOCATION	L0000745	VOLUME	446159.975	3762048.830	220.60
LOCATION	L0000746	VOLUME	446147.554	3762042.450	220.24
LOCATION	L0000747	VOLUME	446134.381	3762037.708	219.88
LOCATION	L0000748	VOLUME	446121.209	3762032.966	219.66
LOCATION	L0000749	VOLUME	446108.033	3762028.236	219.57
LOCATION	L0000750	VOLUME	446094.518	3762024.583	219.36
LOCATION	L0000751	VOLUME	446081.003	3762020.931	219.04
LOCATION	L0000752	VOLUME	446067.488	3762017.278	218.60
LOCATION	L0000753	VOLUME	446053.972	3762013.625	218.15
LOCATION	L0000754	VOLUME	446040.298	3762010.904	217.95
LOCATION	L0000755	VOLUME	446026.337	3762009.854	217.83
LOCATION	L0000756	VOLUME	446012.377	3762008.803	217.75
LOCATION	L0000757	VOLUME	445998.416	3762007.752	217.72
LOCATION	L0000758	VOLUME	445984.456	3762006.701	217.57
LOCATION	L0000759	VOLUME	445970.495	3762005.650	217.24
LOCATION	L0000760	VOLUME	445956.535	3762004.600	217.00
LOCATION	L0000761	VOLUME	445942.574	3762003.549	217.00
LOCATION	L0000762	VOLUME	445928.614	3762002.498	217.00
LOCATION	L0000763	VOLUME	445914.653	3762001.447	217.00
LOCATION	L0000764	VOLUME	445900.693	3762000.396	217.00
LOCATION	L0000765	VOLUME	445886.731	3761999.389	217.00
LOCATION	L0000766	VOLUME	445872.732	3761999.548	217.00
LOCATION	L0000767	VOLUME	445858.733	3761999.707	217.00
LOCATION	L0000768	VOLUME	445844.734	3761999.866	217.00
LOCATION	L0000769	VOLUME	445830.734	3762000.025	217.00
LOCATION	L0000770	VOLUME	445816.735	3762000.184	217.00
LOCATION	L0000771	VOLUME	445802.736	3762000.343	217.00
LOCATION	L0000772	VOLUME	445788.737	3762000.502	217.00
LOCATION	L0000773	VOLUME	445774.738	3762000.661	217.00
LOCATION	L0000774	VOLUME	445760.739	3762000.820	217.00
LOCATION	L0000775	VOLUME	445746.740	3762000.979	217.00
LOCATION	L0000776	VOLUME	445732.741	3762001.137	217.00
LOCATION	L0000777	VOLUME	445718.742	3762001.296	216.99
LOCATION	L0000778	VOLUME	445704.743	3762001.455	216.76
LOCATION	L0000779	VOLUME	445690.743	3762001.614	216.53
LOCATION	L0000780	VOLUME	445676.744	3762001.773	216.52
LOCATION	L0000781	VOLUME	445662.745	3762001.932	216.52
LOCATION	L0000782	VOLUME	445648.746	3762002.091	216.34
LOCATION	L0000783	VOLUME	445634.747	3762002.250	216.09
LOCATION	L0000784	VOLUME	445620.748	3762002.409	216.00
LOCATION	L0000785	VOLUME	445606.749	3762002.568	216.00
LOCATION	L0000786	VOLUME	445592.750	3762002.727	216.00
LOCATION	L0000787	VOLUME	445578.751	3762002.886	216.00
LOCATION	L0000788	VOLUME	445564.752	3762003.045	215.93
LOCATION	L0000789	VOLUME	445550.753	3762003.204	215.73
LOCATION	L0000790	VOLUME	445536.753	3762003.363	215.57
LOCATION	L0000791	VOLUME	445522.754	3762003.522	215.57
LOCATION	L0000792	VOLUME	445508.755	3762003.681	215.58
LOCATION	L0000793	VOLUME	445494.756	3762003.840	215.58
LOCATION	L0000794	VOLUME	445480.757	3762003.999	215.59
LOCATION	L0000795	VOLUME	445466.758	3762004.158	215.60
LOCATION	L0000796	VOLUME	445452.759	3762004.317	215.60
LOCATION	L0000797	VOLUME	445438.760	3762004.476	215.61
LOCATION	L0000798	VOLUME	445424.761	3762004.635	215.61
LOCATION	L0000799	VOLUME	445410.762	3762004.794	215.62
LOCATION	L0000800	VOLUME	445396.762	3762004.953	215.62
LOCATION	L0000801	VOLUME	445382.763	3762005.112	215.63
LOCATION	L0000802	VOLUME	445368.764	3762005.271	215.63
LOCATION	L0000803	VOLUME	445354.765	3762005.430	215.64
LOCATION	L0000804	VOLUME	445340.766	3762005.589	215.64
LOCATION	L0000805	VOLUME	445326.767	3762005.748	215.65
LOCATION	L0000806	VOLUME	445312.768	3762005.907	215.65
LOCATION	L0000807	VOLUME	445298.769	3762006.066	215.66

LOCATION L0000808	VOLUME	445284.770	3762006.225	215.66
LOCATION L0000809	VOLUME	445270.771	3762006.383	215.67
LOCATION L0000810	VOLUME	445256.771	3762006.542	215.67
LOCATION L0000811	VOLUME	445242.772	3762006.701	215.68
LOCATION L0000812	VOLUME	445228.773	3762006.860	215.69
LOCATION L0000813	VOLUME	445214.774	3762007.019	215.69
LOCATION L0000814	VOLUME	445200.775	3762007.178	215.70
LOCATION L0000815	VOLUME	445186.776	3762007.337	215.70
LOCATION L0000816	VOLUME	445172.777	3762007.496	215.71
LOCATION L0000817	VOLUME	445158.778	3762007.655	215.71
LOCATION L0000818	VOLUME	445144.779	3762007.814	215.72
LOCATION L0000819	VOLUME	445130.780	3762007.973	215.72
LOCATION L0000820	VOLUME	445116.780	3762008.132	215.73
LOCATION L0000821	VOLUME	445102.781	3762008.291	215.73
LOCATION L0000822	VOLUME	445088.782	3762008.450	215.72
LOCATION L0000823	VOLUME	445074.783	3762008.609	215.38
LOCATION L0000824	VOLUME	445060.784	3762008.768	215.03
LOCATION L0000825	VOLUME	445046.785	3762008.927	215.00
LOCATION L0000826	VOLUME	445032.786	3762009.086	215.00
LOCATION L0000827	VOLUME	445018.787	3762009.245	215.00
LOCATION L0000828	VOLUME	445004.788	3762009.404	215.00
LOCATION L0000829	VOLUME	444990.789	3762009.563	215.00
LOCATION L0000830	VOLUME	444976.790	3762009.722	215.00
LOCATION L0000831	VOLUME	444962.790	3762009.881	215.00
LOCATION L0000832	VOLUME	444948.791	3762010.040	215.00
LOCATION L0000833	VOLUME	444934.792	3762010.199	215.00
LOCATION L0000834	VOLUME	444920.793	3762010.358	215.00
LOCATION L0000835	VOLUME	444906.794	3762010.517	215.00
LOCATION L0000836	VOLUME	444892.795	3762010.676	215.00
LOCATION L0000837	VOLUME	444878.796	3762010.835	215.00
LOCATION L0000838	VOLUME	444864.797	3762010.994	215.00
LOCATION L0000839	VOLUME	444850.798	3762011.153	215.00
LOCATION L0000840	VOLUME	444836.799	3762011.312	215.00
LOCATION L0000841	VOLUME	444822.799	3762011.470	215.00
LOCATION L0000842	VOLUME	444808.800	3762011.629	215.00
LOCATION L0000843	VOLUME	444794.801	3762011.788	215.00
LOCATION L0000844	VOLUME	444780.802	3762011.947	214.96
LOCATION L0000845	VOLUME	444766.803	3762012.106	214.89
LOCATION L0000846	VOLUME	444752.804	3762012.265	214.68
LOCATION L0000847	VOLUME	444738.805	3762012.424	214.27
LOCATION L0000848	VOLUME	444724.806	3762012.583	214.00
LOCATION L0000849	VOLUME	444710.807	3762012.742	214.00
LOCATION L0000850	VOLUME	444696.808	3762012.901	214.00
LOCATION L0000851	VOLUME	444682.808	3762013.060	214.00
LOCATION L0000852	VOLUME	444668.809	3762013.219	214.00
LOCATION L0000853	VOLUME	444654.810	3762013.378	213.95
LOCATION L0000854	VOLUME	444640.811	3762013.537	213.91
LOCATION L0000855	VOLUME	444626.812	3762013.696	213.91
LOCATION L0000856	VOLUME	444612.813	3762013.855	213.92
LOCATION L0000857	VOLUME	444598.814	3762014.014	213.95
LOCATION L0000858	VOLUME	444584.815	3762014.173	213.99
LOCATION L0000859	VOLUME	444570.816	3762014.332	214.27
LOCATION L0000860	VOLUME	444556.817	3762014.491	214.71
LOCATION L0000861	VOLUME	444542.817	3762014.650	214.96
LOCATION L0000862	VOLUME	444528.818	3762014.809	214.98
LOCATION L0000863	VOLUME	444514.819	3762014.968	215.00
LOCATION L0000864	VOLUME	444500.820	3762015.127	215.00
LOCATION L0000865	VOLUME	444486.821	3762015.286	215.00
LOCATION L0000866	VOLUME	444472.822	3762015.445	215.00

** End of LINE VOLUME Source ID = 1OR15

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 2OR15

** DESCRSRC 6A Ontario Ranch 15%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 11
** 447622.561, 3762407.296, 223.49, 3.49, 6.51
** 446777.841, 3762397.098, 222.80, 3.49, 6.51
** 446686.061, 3762376.703, 222.82, 3.49, 6.51
** 446578.984, 3762332.512, 223.53, 3.49, 6.51
** 446422.617, 3762227.135, 223.00, 3.49, 6.51
** 446228.858, 3762087.764, 221.00, 3.49, 6.51
** 446150.675, 3762043.574, 220.18, 3.49, 6.51
** 446108.184, 3762028.277, 219.83, 3.49, 6.51
** 446045.297, 3762011.281, 218.03, 3.49, 6.51
** 445887.231, 3761999.383, 216.92, 3.49, 6.51
** 444459.246, 3762015.599, 215.00, 3.49, 6.51

LOCATION	L0001178	VOLUME	447615.562	3762407.212	223.49
LOCATION	L0001179	VOLUME	447601.563	3762407.043	223.43
LOCATION	L0001180	VOLUME	447587.564	3762406.874	223.42
LOCATION	L0001181	VOLUME	447573.565	3762406.705	223.42
LOCATION	L0001182	VOLUME	447559.566	3762406.536	223.42
LOCATION	L0001183	VOLUME	447545.567	3762406.367	223.42
LOCATION	L0001184	VOLUME	447531.568	3762406.198	223.42
LOCATION	L0001185	VOLUME	447517.569	3762406.029	223.43
LOCATION	L0001186	VOLUME	447503.570	3762405.860	223.57
LOCATION	L0001187	VOLUME	447489.571	3762405.691	223.71
LOCATION	L0001188	VOLUME	447475.572	3762405.522	223.71
LOCATION	L0001189	VOLUME	447461.573	3762405.353	223.70
LOCATION	L0001190	VOLUME	447447.574	3762405.184	223.70
LOCATION	L0001191	VOLUME	447433.575	3762405.015	223.71
LOCATION	L0001192	VOLUME	447419.576	3762404.846	223.71
LOCATION	L0001193	VOLUME	447405.577	3762404.677	223.71
LOCATION	L0001194	VOLUME	447391.578	3762404.508	223.70
LOCATION	L0001195	VOLUME	447377.579	3762404.339	223.70
LOCATION	L0001196	VOLUME	447363.580	3762404.170	223.70
LOCATION	L0001197	VOLUME	447349.581	3762404.001	223.70
LOCATION	L0001198	VOLUME	447335.582	3762403.832	223.70
LOCATION	L0001199	VOLUME	447321.583	3762403.663	223.70
LOCATION	L0001200	VOLUME	447307.584	3762403.494	223.69
LOCATION	L0001201	VOLUME	447293.585	3762403.325	223.69
LOCATION	L0001202	VOLUME	447279.586	3762403.156	223.69
LOCATION	L0001203	VOLUME	447265.587	3762402.987	223.69
LOCATION	L0001204	VOLUME	447251.588	3762402.818	223.69
LOCATION	L0001205	VOLUME	447237.589	3762402.649	223.67
LOCATION	L0001206	VOLUME	447223.590	3762402.480	223.65
LOCATION	L0001207	VOLUME	447209.591	3762402.311	223.56
LOCATION	L0001208	VOLUME	447195.592	3762402.142	223.43
LOCATION	L0001209	VOLUME	447181.593	3762401.973	223.37
LOCATION	L0001210	VOLUME	447167.594	3762401.804	223.37
LOCATION	L0001211	VOLUME	447153.595	3762401.635	223.31
LOCATION	L0001212	VOLUME	447139.596	3762401.466	223.17
LOCATION	L0001213	VOLUME	447125.597	3762401.297	223.06
LOCATION	L0001214	VOLUME	447111.598	3762401.128	223.03
LOCATION	L0001215	VOLUME	447097.599	3762400.959	222.97
LOCATION	L0001216	VOLUME	447083.600	3762400.790	222.71
LOCATION	L0001217	VOLUME	447069.601	3762400.621	222.45
LOCATION	L0001218	VOLUME	447055.602	3762400.452	222.42
LOCATION	L0001219	VOLUME	447041.603	3762400.283	222.39
LOCATION	L0001220	VOLUME	447027.604	3762400.114	222.38
LOCATION	L0001221	VOLUME	447013.606	3762399.945	222.37
LOCATION	L0001222	VOLUME	446999.607	3762399.776	222.47
LOCATION	L0001223	VOLUME	446985.608	3762399.607	222.61
LOCATION	L0001224	VOLUME	446971.609	3762399.438	222.77
LOCATION	L0001225	VOLUME	446957.610	3762399.269	222.94
LOCATION	L0001226	VOLUME	446943.611	3762399.100	223.04

LOCATION	L0001227	VOLUME	446929.612	3762398.931	223.04
LOCATION	L0001228	VOLUME	446915.613	3762398.762	223.08
LOCATION	L0001229	VOLUME	446901.614	3762398.593	223.22
LOCATION	L0001230	VOLUME	446887.615	3762398.424	223.34
LOCATION	L0001231	VOLUME	446873.616	3762398.255	223.34
LOCATION	L0001232	VOLUME	446859.617	3762398.086	223.33
LOCATION	L0001233	VOLUME	446845.618	3762397.917	223.33
LOCATION	L0001234	VOLUME	446831.619	3762397.748	223.33
LOCATION	L0001235	VOLUME	446817.620	3762397.579	223.21
LOCATION	L0001236	VOLUME	446803.621	3762397.410	223.07
LOCATION	L0001237	VOLUME	446789.622	3762397.241	222.92
LOCATION	L0001238	VOLUME	446775.676	3762396.617	222.77
LOCATION	L0001239	VOLUME	446762.009	3762393.580	222.68
LOCATION	L0001240	VOLUME	446748.342	3762390.543	222.65
LOCATION	L0001241	VOLUME	446734.676	3762387.506	222.67
LOCATION	L0001242	VOLUME	446721.009	3762384.469	222.77
LOCATION	L0001243	VOLUME	446707.342	3762381.432	222.86
LOCATION	L0001244	VOLUME	446693.676	3762378.395	222.83
LOCATION	L0001245	VOLUME	446680.330	3762374.338	222.81
LOCATION	L0001246	VOLUME	446667.389	3762368.997	222.90
LOCATION	L0001247	VOLUME	446654.448	3762363.656	222.96
LOCATION	L0001248	VOLUME	446641.507	3762358.315	223.01
LOCATION	L0001249	VOLUME	446628.565	3762352.974	223.09
LOCATION	L0001250	VOLUME	446615.624	3762347.634	223.16
LOCATION	L0001251	VOLUME	446602.683	3762342.293	223.26
LOCATION	L0001252	VOLUME	446589.742	3762336.952	223.32
LOCATION	L0001253	VOLUME	446577.025	3762331.192	223.39
LOCATION	L0001254	VOLUME	446565.415	3762323.368	223.43
LOCATION	L0001255	VOLUME	446553.806	3762315.544	223.48
LOCATION	L0001256	VOLUME	446542.196	3762307.720	223.00
LOCATION	L0001257	VOLUME	446530.586	3762299.896	223.00
LOCATION	L0001258	VOLUME	446518.976	3762292.073	223.00
LOCATION	L0001259	VOLUME	446507.367	3762284.249	223.00
LOCATION	L0001260	VOLUME	446495.757	3762276.425	223.00
LOCATION	L0001261	VOLUME	446484.147	3762268.601	223.00
LOCATION	L0001262	VOLUME	446472.538	3762260.777	223.00
LOCATION	L0001263	VOLUME	446460.928	3762252.953	222.92
LOCATION	L0001264	VOLUME	446449.318	3762245.129	222.88
LOCATION	L0001265	VOLUME	446437.708	3762237.305	223.00
LOCATION	L0001266	VOLUME	446426.099	3762229.481	223.00
LOCATION	L0001267	VOLUME	446414.660	3762221.411	222.97
LOCATION	L0001268	VOLUME	446403.295	3762213.236	223.00
LOCATION	L0001269	VOLUME	446391.930	3762205.061	223.00
LOCATION	L0001270	VOLUME	446380.564	3762196.886	223.00
LOCATION	L0001271	VOLUME	446369.199	3762188.711	223.00
LOCATION	L0001272	VOLUME	446357.834	3762180.536	223.00
LOCATION	L0001273	VOLUME	446346.468	3762172.361	222.92
LOCATION	L0001274	VOLUME	446335.103	3762164.186	222.49
LOCATION	L0001275	VOLUME	446323.738	3762156.011	222.09
LOCATION	L0001276	VOLUME	446312.373	3762147.836	222.00
LOCATION	L0001277	VOLUME	446301.007	3762139.661	222.00
LOCATION	L0001278	VOLUME	446289.642	3762131.486	222.00
LOCATION	L0001279	VOLUME	446278.277	3762123.311	221.84
LOCATION	L0001280	VOLUME	446266.912	3762115.136	221.47
LOCATION	L0001281	VOLUME	446255.546	3762106.961	221.02
LOCATION	L0001282	VOLUME	446244.181	3762098.786	221.00
LOCATION	L0001283	VOLUME	446232.816	3762090.611	221.00
LOCATION	L0001284	VOLUME	446220.914	3762083.274	220.93
LOCATION	L0001285	VOLUME	446208.727	3762076.386	221.00
LOCATION	L0001286	VOLUME	446196.539	3762069.497	220.93
LOCATION	L0001287	VOLUME	446184.351	3762062.608	220.73
LOCATION	L0001288	VOLUME	446172.163	3762055.719	220.71
LOCATION	L0001289	VOLUME	446159.975	3762048.830	220.60
LOCATION	L0001290	VOLUME	446147.554	3762042.450	220.24
LOCATION	L0001291	VOLUME	446134.381	3762037.708	219.88
LOCATION	L0001292	VOLUME	446121.209	3762032.966	219.66

LOCATION	L0001293	VOLUME	446108.033	3762028.236	219.57
LOCATION	L0001294	VOLUME	446094.518	3762024.583	219.36
LOCATION	L0001295	VOLUME	446081.003	3762020.931	219.04
LOCATION	L0001296	VOLUME	446067.488	3762017.278	218.60
LOCATION	L0001297	VOLUME	446053.972	3762013.625	218.15
LOCATION	L0001298	VOLUME	446040.298	3762010.904	217.95
LOCATION	L0001299	VOLUME	446026.337	3762009.854	217.83
LOCATION	L0001300	VOLUME	446012.377	3762008.803	217.75
LOCATION	L0001301	VOLUME	445998.416	3762007.752	217.72
LOCATION	L0001302	VOLUME	445984.456	3762006.701	217.57
LOCATION	L0001303	VOLUME	445970.495	3762005.650	217.24
LOCATION	L0001304	VOLUME	445956.535	3762004.600	217.00
LOCATION	L0001305	VOLUME	445942.574	3762003.549	217.00
LOCATION	L0001306	VOLUME	445928.614	3762002.498	217.00
LOCATION	L0001307	VOLUME	445914.653	3762001.447	217.00
LOCATION	L0001308	VOLUME	445900.693	3762000.396	217.00
LOCATION	L0001309	VOLUME	445886.731	3761999.389	217.00
LOCATION	L0001310	VOLUME	445872.732	3761999.548	217.00
LOCATION	L0001311	VOLUME	445858.733	3761999.707	217.00
LOCATION	L0001312	VOLUME	445844.734	3761999.866	217.00
LOCATION	L0001313	VOLUME	445830.734	3762000.025	217.00
LOCATION	L0001314	VOLUME	445816.735	3762000.184	217.00
LOCATION	L0001315	VOLUME	445802.736	3762000.343	217.00
LOCATION	L0001316	VOLUME	445788.737	3762000.502	217.00
LOCATION	L0001317	VOLUME	445774.738	3762000.661	217.00
LOCATION	L0001318	VOLUME	445760.739	3762000.820	217.00
LOCATION	L0001319	VOLUME	445746.740	3762000.979	217.00
LOCATION	L0001320	VOLUME	445732.741	3762001.137	217.00
LOCATION	L0001321	VOLUME	445718.742	3762001.296	216.99
LOCATION	L0001322	VOLUME	445704.743	3762001.455	216.76
LOCATION	L0001323	VOLUME	445690.743	3762001.614	216.53
LOCATION	L0001324	VOLUME	445676.744	3762001.773	216.52
LOCATION	L0001325	VOLUME	445662.745	3762001.932	216.52
LOCATION	L0001326	VOLUME	445648.746	3762002.091	216.34
LOCATION	L0001327	VOLUME	445634.747	3762002.250	216.09
LOCATION	L0001328	VOLUME	445620.748	3762002.409	216.00
LOCATION	L0001329	VOLUME	445606.749	3762002.568	216.00
LOCATION	L0001330	VOLUME	445592.750	3762002.727	216.00
LOCATION	L0001331	VOLUME	445578.751	3762002.886	216.00
LOCATION	L0001332	VOLUME	445564.752	3762003.045	215.93
LOCATION	L0001333	VOLUME	445550.753	3762003.204	215.73
LOCATION	L0001334	VOLUME	445536.753	3762003.363	215.57
LOCATION	L0001335	VOLUME	445522.754	3762003.522	215.57
LOCATION	L0001336	VOLUME	445508.755	3762003.681	215.58
LOCATION	L0001337	VOLUME	445494.756	3762003.840	215.58
LOCATION	L0001338	VOLUME	445480.757	3762003.999	215.59
LOCATION	L0001339	VOLUME	445466.758	3762004.158	215.60
LOCATION	L0001340	VOLUME	445452.759	3762004.317	215.60
LOCATION	L0001341	VOLUME	445438.760	3762004.476	215.61
LOCATION	L0001342	VOLUME	445424.761	3762004.635	215.61
LOCATION	L0001343	VOLUME	445410.762	3762004.794	215.62
LOCATION	L0001344	VOLUME	445396.762	3762004.953	215.62
LOCATION	L0001345	VOLUME	445382.763	3762005.112	215.63
LOCATION	L0001346	VOLUME	445368.764	3762005.271	215.63
LOCATION	L0001347	VOLUME	445354.765	3762005.430	215.64
LOCATION	L0001348	VOLUME	445340.766	3762005.589	215.64
LOCATION	L0001349	VOLUME	445326.767	3762005.748	215.65
LOCATION	L0001350	VOLUME	445312.768	3762005.907	215.65
LOCATION	L0001351	VOLUME	445298.769	3762006.066	215.66
LOCATION	L0001352	VOLUME	445284.770	3762006.225	215.66
LOCATION	L0001353	VOLUME	445270.771	3762006.383	215.67
LOCATION	L0001354	VOLUME	445256.771	3762006.542	215.67
LOCATION	L0001355	VOLUME	445242.772	3762006.701	215.68
LOCATION	L0001356	VOLUME	445228.773	3762006.860	215.69
LOCATION	L0001357	VOLUME	445214.774	3762007.019	215.69
LOCATION	L0001358	VOLUME	445200.775	3762007.178	215.70

LOCATION	VOLUME				
LOCATION L0001359	VOLUME	445186.776	3762007.337	215.70	
LOCATION L0001360	VOLUME	445172.777	3762007.496	215.71	
LOCATION L0001361	VOLUME	445158.778	3762007.655	215.71	
LOCATION L0001362	VOLUME	445144.779	3762007.814	215.72	
LOCATION L0001363	VOLUME	445130.780	3762007.973	215.72	
LOCATION L0001364	VOLUME	445116.780	3762008.132	215.73	
LOCATION L0001365	VOLUME	445102.781	3762008.291	215.73	
LOCATION L0001366	VOLUME	445088.782	3762008.450	215.72	
LOCATION L0001367	VOLUME	445074.783	3762008.609	215.38	
LOCATION L0001368	VOLUME	445060.784	3762008.768	215.03	
LOCATION L0001369	VOLUME	445046.785	3762008.927	215.00	
LOCATION L0001370	VOLUME	445032.786	3762009.086	215.00	
LOCATION L0001371	VOLUME	445018.787	3762009.245	215.00	
LOCATION L0001372	VOLUME	445004.788	3762009.404	215.00	
LOCATION L0001373	VOLUME	444990.789	3762009.563	215.00	
LOCATION L0001374	VOLUME	444976.790	3762009.722	215.00	
LOCATION L0001375	VOLUME	444962.790	3762009.881	215.00	
LOCATION L0001376	VOLUME	444948.791	3762010.040	215.00	
LOCATION L0001377	VOLUME	444934.792	3762010.199	215.00	
LOCATION L0001378	VOLUME	444920.793	3762010.358	215.00	
LOCATION L0001379	VOLUME	444906.794	3762010.517	215.00	
LOCATION L0001380	VOLUME	444892.795	3762010.676	215.00	
LOCATION L0001381	VOLUME	444878.796	3762010.835	215.00	
LOCATION L0001382	VOLUME	444864.797	3762010.994	215.00	
LOCATION L0001383	VOLUME	444850.798	3762011.153	215.00	
LOCATION L0001384	VOLUME	444836.799	3762011.312	215.00	
LOCATION L0001385	VOLUME	444822.799	3762011.470	215.00	
LOCATION L0001386	VOLUME	444808.800	3762011.629	215.00	
LOCATION L0001387	VOLUME	444794.801	3762011.788	215.00	
LOCATION L0001388	VOLUME	444780.802	3762011.947	214.96	
LOCATION L0001389	VOLUME	444766.803	3762012.106	214.89	
LOCATION L0001390	VOLUME	444752.804	3762012.265	214.68	
LOCATION L0001391	VOLUME	444738.805	3762012.424	214.27	
LOCATION L0001392	VOLUME	444724.806	3762012.583	214.00	
LOCATION L0001393	VOLUME	444710.807	3762012.742	214.00	
LOCATION L0001394	VOLUME	444696.808	3762012.901	214.00	
LOCATION L0001395	VOLUME	444682.808	3762013.060	214.00	
LOCATION L0001396	VOLUME	444668.809	3762013.219	214.00	
LOCATION L0001397	VOLUME	444654.810	3762013.378	213.95	
LOCATION L0001398	VOLUME	444640.811	3762013.537	213.91	
LOCATION L0001399	VOLUME	444626.812	3762013.696	213.91	
LOCATION L0001400	VOLUME	444612.813	3762013.855	213.92	
LOCATION L0001401	VOLUME	444598.814	3762014.014	213.95	
LOCATION L0001402	VOLUME	444584.815	3762014.173	213.99	
LOCATION L0001403	VOLUME	444570.816	3762014.332	214.27	
LOCATION L0001404	VOLUME	444556.817	3762014.491	214.71	
LOCATION L0001405	VOLUME	444542.817	3762014.650	214.96	
LOCATION L0001406	VOLUME	444528.818	3762014.809	214.98	
LOCATION L0001407	VOLUME	444514.819	3762014.968	215.00	
LOCATION L0001408	VOLUME	444500.820	3762015.127	215.00	
LOCATION L0001409	VOLUME	444486.821	3762015.286	215.00	
LOCATION L0001410	VOLUME	444472.822	3762015.445	215.00	

** End of LINE VOLUME Source ID = 2OR15

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 1OR85

** DESCRSRC 2C,3C,5A Ontario Ranch 85%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 447626.176, 3762406.098, 223.56, 3.49, 6.51

** 448430.981, 3762391.013, 225.14, 3.49, 6.51

**

LOCATION	L0000867	VOLUME	447633.175	3762405.966	223.66
LOCATION	L0000868	VOLUME	447647.173	3762405.704	223.72
LOCATION	L0000869	VOLUME	447661.170	3762405.442	223.71
LOCATION	L0000870	VOLUME	447675.168	3762405.179	223.77
LOCATION	L0000871	VOLUME	447689.165	3762404.917	223.91
LOCATION	L0000872	VOLUME	447703.163	3762404.655	224.01
LOCATION	L0000873	VOLUME	447717.160	3762404.392	224.01
LOCATION	L0000874	VOLUME	447731.158	3762404.130	224.02
LOCATION	L0000875	VOLUME	447745.155	3762403.868	224.16
LOCATION	L0000876	VOLUME	447759.153	3762403.605	224.30
LOCATION	L0000877	VOLUME	447773.150	3762403.343	224.30
LOCATION	L0000878	VOLUME	447787.148	3762403.080	224.30
LOCATION	L0000879	VOLUME	447801.145	3762402.818	224.42
LOCATION	L0000880	VOLUME	447815.143	3762402.556	224.56
LOCATION	L0000881	VOLUME	447829.141	3762402.293	224.60
LOCATION	L0000882	VOLUME	447843.138	3762402.031	224.59
LOCATION	L0000883	VOLUME	447857.136	3762401.769	224.67
LOCATION	L0000884	VOLUME	447871.133	3762401.506	224.81
LOCATION	L0000885	VOLUME	447885.131	3762401.244	224.95
LOCATION	L0000886	VOLUME	447899.128	3762400.982	225.09
LOCATION	L0000887	VOLUME	447913.126	3762400.719	225.22
LOCATION	L0000888	VOLUME	447927.123	3762400.457	225.33
LOCATION	L0000889	VOLUME	447941.121	3762400.195	225.43
LOCATION	L0000890	VOLUME	447955.118	3762399.932	225.49
LOCATION	L0000891	VOLUME	447969.116	3762399.670	225.55
LOCATION	L0000892	VOLUME	447983.114	3762399.407	225.55
LOCATION	L0000893	VOLUME	447997.111	3762399.145	225.55
LOCATION	L0000894	VOLUME	448011.109	3762398.883	225.55
LOCATION	L0000895	VOLUME	448025.106	3762398.620	225.55
LOCATION	L0000896	VOLUME	448039.104	3762398.358	225.50
LOCATION	L0000897	VOLUME	448053.101	3762398.096	225.42
LOCATION	L0000898	VOLUME	448067.099	3762397.833	225.27
LOCATION	L0000899	VOLUME	448081.096	3762397.571	225.06
LOCATION	L0000900	VOLUME	448095.094	3762397.309	224.93
LOCATION	L0000901	VOLUME	448109.091	3762397.046	224.88
LOCATION	L0000902	VOLUME	448123.089	3762396.784	224.85
LOCATION	L0000903	VOLUME	448137.086	3762396.522	224.84
LOCATION	L0000904	VOLUME	448151.084	3762396.259	224.85
LOCATION	L0000905	VOLUME	448165.082	3762395.997	224.89
LOCATION	L0000906	VOLUME	448179.079	3762395.734	224.94
LOCATION	L0000907	VOLUME	448193.077	3762395.472	225.03
LOCATION	L0000908	VOLUME	448207.074	3762395.210	225.12
LOCATION	L0000909	VOLUME	448221.072	3762394.947	225.25
LOCATION	L0000910	VOLUME	448235.069	3762394.685	225.39
LOCATION	L0000911	VOLUME	448249.067	3762394.423	225.43
LOCATION	L0000912	VOLUME	448263.064	3762394.160	225.43
LOCATION	L0000913	VOLUME	448277.062	3762393.898	225.46
LOCATION	L0000914	VOLUME	448291.059	3762393.636	225.52
LOCATION	L0000915	VOLUME	448305.057	3762393.373	225.55
LOCATION	L0000916	VOLUME	448319.054	3762393.111	225.55
LOCATION	L0000917	VOLUME	448333.052	3762392.849	225.54
LOCATION	L0000918	VOLUME	448347.050	3762392.586	225.47
LOCATION	L0000919	VOLUME	448361.047	3762392.324	225.40
LOCATION	L0000920	VOLUME	448375.045	3762392.061	225.32
LOCATION	L0000921	VOLUME	448389.042	3762391.799	225.25
LOCATION	L0000922	VOLUME	448403.040	3762391.537	225.18
LOCATION	L0000923	VOLUME	448417.037	3762391.274	225.11

** End of LINE VOLUME Source ID = 10R85

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 20R30

** DESCRSRC 6A Ontario Ranch 30%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 447626.176, 3762406.098, 223.56, 3.49, 6.51
** 448430.981, 3762391.013, 225.14, 3.49, 6.51

LOCATION L0001701 VOLUME 447633.175 3762405.966 223.66
LOCATION L0001702 VOLUME 447647.173 3762405.704 223.72
LOCATION L0001703 VOLUME 447661.170 3762405.442 223.71
LOCATION L0001704 VOLUME 447675.168 3762405.179 223.77
LOCATION L0001705 VOLUME 447689.165 3762404.917 223.91
LOCATION L0001706 VOLUME 447703.163 3762404.655 224.01
LOCATION L0001707 VOLUME 447717.160 3762404.392 224.01
LOCATION L0001708 VOLUME 447731.158 3762404.130 224.02
LOCATION L0001709 VOLUME 447745.155 3762403.868 224.16
LOCATION L0001710 VOLUME 447759.153 3762403.605 224.30
LOCATION L0001711 VOLUME 447773.150 3762403.343 224.30
LOCATION L0001712 VOLUME 447787.148 3762403.080 224.30
LOCATION L0001713 VOLUME 447801.145 3762402.818 224.42
LOCATION L0001714 VOLUME 447815.143 3762402.556 224.56
LOCATION L0001715 VOLUME 447829.141 3762402.293 224.60
LOCATION L0001716 VOLUME 447843.138 3762402.031 224.59
LOCATION L0001717 VOLUME 447857.136 3762401.769 224.67
LOCATION L0001718 VOLUME 447871.133 3762401.506 224.81
LOCATION L0001719 VOLUME 447885.131 3762401.244 224.95
LOCATION L0001720 VOLUME 447899.128 3762400.982 225.09
LOCATION L0001721 VOLUME 447913.126 3762400.719 225.22
LOCATION L0001722 VOLUME 447927.123 3762400.457 225.33
LOCATION L0001723 VOLUME 447941.121 3762400.195 225.43
LOCATION L0001724 VOLUME 447955.118 3762399.932 225.49
LOCATION L0001725 VOLUME 447969.116 3762399.670 225.55
LOCATION L0001726 VOLUME 447983.114 3762399.407 225.55
LOCATION L0001727 VOLUME 447997.111 3762399.145 225.55
LOCATION L0001728 VOLUME 448011.109 3762398.883 225.55
LOCATION L0001729 VOLUME 448025.106 3762398.620 225.55
LOCATION L0001730 VOLUME 448039.104 3762398.358 225.50
LOCATION L0001731 VOLUME 448053.101 3762398.096 225.42
LOCATION L0001732 VOLUME 448067.099 3762397.833 225.27
LOCATION L0001733 VOLUME 448081.096 3762397.571 225.06
LOCATION L0001734 VOLUME 448095.094 3762397.309 224.93
LOCATION L0001735 VOLUME 448109.091 3762397.046 224.88
LOCATION L0001736 VOLUME 448123.089 3762396.784 224.85
LOCATION L0001737 VOLUME 448137.086 3762396.522 224.84
LOCATION L0001738 VOLUME 448151.084 3762396.259 224.85
LOCATION L0001739 VOLUME 448165.082 3762395.997 224.89
LOCATION L0001740 VOLUME 448179.079 3762395.734 224.94
LOCATION L0001741 VOLUME 448193.077 3762395.472 225.03
LOCATION L0001742 VOLUME 448207.074 3762395.210 225.12
LOCATION L0001743 VOLUME 448221.072 3762394.947 225.25
LOCATION L0001744 VOLUME 448235.069 3762394.685 225.39
LOCATION L0001745 VOLUME 448249.067 3762394.423 225.43
LOCATION L0001746 VOLUME 448263.064 3762394.160 225.43
LOCATION L0001747 VOLUME 448277.062 3762393.898 225.46
LOCATION L0001748 VOLUME 448291.059 3762393.636 225.52
LOCATION L0001749 VOLUME 448305.057 3762393.373 225.55
LOCATION L0001750 VOLUME 448319.054 3762393.111 225.55
LOCATION L0001751 VOLUME 448333.052 3762392.849 225.54
LOCATION L0001752 VOLUME 448347.050 3762392.586 225.47
LOCATION L0001753 VOLUME 448361.047 3762392.324 225.40
LOCATION L0001754 VOLUME 448375.045 3762392.061 225.32
LOCATION L0001755 VOLUME 448389.042 3762391.799 225.25
LOCATION L0001756 VOLUME 448403.040 3762391.537 225.18
LOCATION L0001757 VOLUME 448417.037 3762391.274 225.11

** End of LINE VOLUME Source ID = 2OR30

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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = 1H25
** DESCRSRC 2C,3C,5A Hamner 25%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 7
** 448433.695, 3762390.310, 225.14, 3.49, 6.51
** 448438.132, 3762861.510, 228.89, 3.49, 6.51
** 448441.681, 3763045.198, 230.41, 3.49, 6.51
** 448451.442, 3763598.038, 237.40, 3.49, 6.51
** 448463.866, 3764410.880, 242.77, 3.49, 6.51
** 448453.217, 3764823.513, 247.04, 3.49, 6.51
** 448453.217, 3765063.994, 249.19, 3.49, 6.51

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LOCATION	L0000924	VOLUME	448433.761	3762397.310	225.16
LOCATION	L0000925	VOLUME	448433.892	3762411.309	225.30
LOCATION	L0000926	VOLUME	448434.024	3762425.308	225.44
LOCATION	L0000927	VOLUME	448434.156	3762439.308	225.58
LOCATION	L0000928	VOLUME	448434.288	3762453.307	225.72
LOCATION	L0000929	VOLUME	448434.420	3762467.306	225.87
LOCATION	L0000930	VOLUME	448434.552	3762481.306	226.01
LOCATION	L0000931	VOLUME	448434.683	3762495.305	226.15
LOCATION	L0000932	VOLUME	448434.815	3762509.305	226.29
LOCATION	L0000933	VOLUME	448434.947	3762523.304	226.44
LOCATION	L0000934	VOLUME	448435.079	3762537.303	226.58
LOCATION	L0000935	VOLUME	448435.211	3762551.303	226.72
LOCATION	L0000936	VOLUME	448435.342	3762565.302	226.86
LOCATION	L0000937	VOLUME	448435.474	3762579.301	227.00
LOCATION	L0000938	VOLUME	448435.606	3762593.301	227.15
LOCATION	L0000939	VOLUME	448435.738	3762607.300	227.29
LOCATION	L0000940	VOLUME	448435.870	3762621.300	227.43
LOCATION	L0000941	VOLUME	448436.002	3762635.299	227.57
LOCATION	L0000942	VOLUME	448436.133	3762649.298	227.73
LOCATION	L0000943	VOLUME	448436.265	3762663.298	227.93
LOCATION	L0000944	VOLUME	448436.397	3762677.297	228.13
LOCATION	L0000945	VOLUME	448436.529	3762691.297	228.27
LOCATION	L0000946	VOLUME	448436.661	3762705.296	228.41
LOCATION	L0000947	VOLUME	448436.792	3762719.295	228.50
LOCATION	L0000948	VOLUME	448436.924	3762733.295	228.58
LOCATION	L0000949	VOLUME	448437.056	3762747.294	228.71
LOCATION	L0000950	VOLUME	448437.188	3762761.293	228.85
LOCATION	L0000951	VOLUME	448437.320	3762775.293	228.90
LOCATION	L0000952	VOLUME	448437.452	3762789.292	228.90
LOCATION	L0000953	VOLUME	448437.583	3762803.292	228.90
LOCATION	L0000954	VOLUME	448437.715	3762817.291	228.90
LOCATION	L0000955	VOLUME	448437.847	3762831.290	228.90
LOCATION	L0000956	VOLUME	448437.979	3762845.290	228.90
LOCATION	L0000957	VOLUME	448438.111	3762859.289	228.92
LOCATION	L0000958	VOLUME	448438.359	3762873.287	229.01
LOCATION	L0000959	VOLUME	448438.630	3762887.284	229.10
LOCATION	L0000960	VOLUME	448438.900	3762901.282	229.10
LOCATION	L0000961	VOLUME	448439.171	3762915.279	229.11
LOCATION	L0000962	VOLUME	448439.441	3762929.276	229.11
LOCATION	L0000963	VOLUME	448439.712	3762943.274	229.11
LOCATION	L0000964	VOLUME	448439.982	3762957.271	229.34
LOCATION	L0000965	VOLUME	448440.253	3762971.268	229.62
LOCATION	L0000966	VOLUME	448440.523	3762985.266	229.82
LOCATION	L0000967	VOLUME	448440.793	3762999.263	229.96
LOCATION	L0000968	VOLUME	448441.064	3763013.261	230.13
LOCATION	L0000969	VOLUME	448441.334	3763027.258	230.31
LOCATION	L0000970	VOLUME	448441.605	3763041.255	230.49
LOCATION	L0000971	VOLUME	448441.859	3763055.253	230.67

LOCATION	L0000972	VOLUME	448442.106	3763069.251	230.84
LOCATION	L0000973	VOLUME	448442.353	3763083.249	230.98
LOCATION	L0000974	VOLUME	448442.600	3763097.247	231.12
LOCATION	L0000975	VOLUME	448442.847	3763111.244	231.26
LOCATION	L0000976	VOLUME	448443.094	3763125.242	231.40
LOCATION	L0000977	VOLUME	448443.342	3763139.240	231.51
LOCATION	L0000978	VOLUME	448443.589	3763153.238	231.62
LOCATION	L0000979	VOLUME	448443.836	3763167.236	231.76
LOCATION	L0000980	VOLUME	448444.083	3763181.233	231.90
LOCATION	L0000981	VOLUME	448444.330	3763195.231	232.04
LOCATION	L0000982	VOLUME	448444.577	3763209.229	232.19
LOCATION	L0000983	VOLUME	448444.824	3763223.227	232.33
LOCATION	L0000984	VOLUME	448445.072	3763237.225	232.47
LOCATION	L0000985	VOLUME	448445.319	3763251.223	232.62
LOCATION	L0000986	VOLUME	448445.566	3763265.220	232.78
LOCATION	L0000987	VOLUME	448445.813	3763279.218	232.96
LOCATION	L0000988	VOLUME	448446.060	3763293.216	233.23
LOCATION	L0000989	VOLUME	448446.307	3763307.214	233.49
LOCATION	L0000990	VOLUME	448446.555	3763321.212	233.63
LOCATION	L0000991	VOLUME	448446.802	3763335.209	233.77
LOCATION	L0000992	VOLUME	448447.049	3763349.207	233.91
LOCATION	L0000993	VOLUME	448447.296	3763363.205	234.05
LOCATION	L0000994	VOLUME	448447.543	3763377.203	234.20
LOCATION	L0000995	VOLUME	448447.790	3763391.201	234.34
LOCATION	L0000996	VOLUME	448448.037	3763405.199	234.48
LOCATION	L0000997	VOLUME	448448.285	3763419.196	234.62
LOCATION	L0000998	VOLUME	448448.532	3763433.194	234.77
LOCATION	L0000999	VOLUME	448448.779	3763447.192	234.91
LOCATION	L0001000	VOLUME	448449.026	3763461.190	235.05
LOCATION	L0001001	VOLUME	448449.273	3763475.188	235.19
LOCATION	L0001002	VOLUME	448449.520	3763489.185	235.36
LOCATION	L0001003	VOLUME	448449.768	3763503.183	235.65
LOCATION	L0001004	VOLUME	448450.015	3763517.181	235.93
LOCATION	L0001005	VOLUME	448450.262	3763531.179	236.22
LOCATION	L0001006	VOLUME	448450.509	3763545.177	236.50
LOCATION	L0001007	VOLUME	448450.756	3763559.175	236.78
LOCATION	L0001008	VOLUME	448451.003	3763573.172	237.06
LOCATION	L0001009	VOLUME	448451.250	3763587.170	237.23
LOCATION	L0001010	VOLUME	448451.490	3763601.168	237.37
LOCATION	L0001011	VOLUME	448451.704	3763615.167	237.51
LOCATION	L0001012	VOLUME	448451.918	3763629.165	237.65
LOCATION	L0001013	VOLUME	448452.132	3763643.163	237.72
LOCATION	L0001014	VOLUME	448452.346	3763657.162	237.74
LOCATION	L0001015	VOLUME	448452.560	3763671.160	237.84
LOCATION	L0001016	VOLUME	448452.774	3763685.158	238.11
LOCATION	L0001017	VOLUME	448452.988	3763699.157	238.32
LOCATION	L0001018	VOLUME	448453.202	3763713.155	238.32
LOCATION	L0001019	VOLUME	448453.416	3763727.153	238.32
LOCATION	L0001020	VOLUME	448453.630	3763741.152	238.46
LOCATION	L0001021	VOLUME	448453.844	3763755.150	238.60
LOCATION	L0001022	VOLUME	448454.058	3763769.149	238.74
LOCATION	L0001023	VOLUME	448454.272	3763783.147	238.88
LOCATION	L0001024	VOLUME	448454.485	3763797.145	239.00
LOCATION	L0001025	VOLUME	448454.699	3763811.144	239.12
LOCATION	L0001026	VOLUME	448454.913	3763825.142	239.16
LOCATION	L0001027	VOLUME	448455.127	3763839.140	239.15
LOCATION	L0001028	VOLUME	448455.341	3763853.139	239.09
LOCATION	L0001029	VOLUME	448455.555	3763867.137	238.98
LOCATION	L0001030	VOLUME	448455.769	3763881.135	238.91
LOCATION	L0001031	VOLUME	448455.983	3763895.134	238.94
LOCATION	L0001032	VOLUME	448456.197	3763909.132	238.96
LOCATION	L0001033	VOLUME	448456.411	3763923.131	238.96
LOCATION	L0001034	VOLUME	448456.625	3763937.129	238.97
LOCATION	L0001035	VOLUME	448456.839	3763951.127	239.08
LOCATION	L0001036	VOLUME	448457.053	3763965.126	239.18
LOCATION	L0001037	VOLUME	448457.267	3763979.124	239.22

LOCATION L0001038	VOLUME	448457.481	3763993.122	239.26
LOCATION L0001039	VOLUME	448457.695	3764007.121	239.38
LOCATION L0001040	VOLUME	448457.909	3764021.119	239.52
LOCATION L0001041	VOLUME	448458.123	3764035.117	239.66
LOCATION L0001042	VOLUME	448458.337	3764049.116	239.80
LOCATION L0001043	VOLUME	448458.550	3764063.114	239.99
LOCATION L0001044	VOLUME	448458.764	3764077.113	240.23
LOCATION L0001045	VOLUME	448458.978	3764091.111	240.41
LOCATION L0001046	VOLUME	448459.192	3764105.109	240.45
LOCATION L0001047	VOLUME	448459.406	3764119.108	240.52
LOCATION L0001048	VOLUME	448459.620	3764133.106	240.66
LOCATION L0001049	VOLUME	448459.834	3764147.104	240.80
LOCATION L0001050	VOLUME	448460.048	3764161.103	241.00
LOCATION L0001051	VOLUME	448460.262	3764175.101	241.19
LOCATION L0001052	VOLUME	448460.476	3764189.099	241.47
LOCATION L0001053	VOLUME	448460.690	3764203.098	241.76
LOCATION L0001054	VOLUME	448460.904	3764217.096	242.26
LOCATION L0001055	VOLUME	448461.118	3764231.095	242.83
LOCATION L0001056	VOLUME	448461.332	3764245.093	243.22
LOCATION L0001057	VOLUME	448461.546	3764259.091	243.51
LOCATION L0001058	VOLUME	448461.760	3764273.090	243.66
LOCATION L0001059	VOLUME	448461.974	3764287.088	243.66
LOCATION L0001060	VOLUME	448462.188	3764301.086	243.64
LOCATION L0001061	VOLUME	448462.402	3764315.085	243.56
LOCATION L0001062	VOLUME	448462.616	3764329.083	243.46
LOCATION L0001063	VOLUME	448462.829	3764343.082	243.26
LOCATION L0001064	VOLUME	448463.043	3764357.080	243.06
LOCATION L0001065	VOLUME	448463.257	3764371.078	242.92
LOCATION L0001066	VOLUME	448463.471	3764385.077	242.78
LOCATION L0001067	VOLUME	448463.685	3764399.075	242.77
LOCATION L0001068	VOLUME	448463.809	3764413.073	242.78
LOCATION L0001069	VOLUME	448463.448	3764427.068	242.83
LOCATION L0001070	VOLUME	448463.087	3764441.064	242.90
LOCATION L0001071	VOLUME	448462.726	3764455.059	243.01
LOCATION L0001072	VOLUME	448462.364	3764469.054	243.16
LOCATION L0001073	VOLUME	448462.003	3764483.050	243.30
LOCATION L0001074	VOLUME	448461.642	3764497.045	243.44
LOCATION L0001075	VOLUME	448461.281	3764511.040	243.58
LOCATION L0001076	VOLUME	448460.920	3764525.036	243.73
LOCATION L0001077	VOLUME	448460.559	3764539.031	243.87
LOCATION L0001078	VOLUME	448460.197	3764553.026	244.01
LOCATION L0001079	VOLUME	448459.836	3764567.022	244.15
LOCATION L0001080	VOLUME	448459.475	3764581.017	244.34
LOCATION L0001081	VOLUME	448459.114	3764595.012	244.53
LOCATION L0001082	VOLUME	448458.753	3764609.008	244.72
LOCATION L0001083	VOLUME	448458.392	3764623.003	244.92
LOCATION L0001084	VOLUME	448458.030	3764636.998	245.08
LOCATION L0001085	VOLUME	448457.669	3764650.994	245.23
LOCATION L0001086	VOLUME	448457.308	3764664.989	245.40
LOCATION L0001087	VOLUME	448456.947	3764678.984	245.58
LOCATION L0001088	VOLUME	448456.586	3764692.980	245.77
LOCATION L0001089	VOLUME	448456.225	3764706.975	245.99
LOCATION L0001090	VOLUME	448455.863	3764720.970	246.16
LOCATION L0001091	VOLUME	448455.502	3764734.966	246.19
LOCATION L0001092	VOLUME	448455.141	3764748.961	246.25
LOCATION L0001093	VOLUME	448454.780	3764762.956	246.39
LOCATION L0001094	VOLUME	448454.419	3764776.952	246.54
LOCATION L0001095	VOLUME	448454.058	3764790.947	246.68
LOCATION L0001096	VOLUME	448453.696	3764804.942	246.83
LOCATION L0001097	VOLUME	448453.335	3764818.938	246.96
LOCATION L0001098	VOLUME	448453.217	3764832.936	247.09
LOCATION L0001099	VOLUME	448453.217	3764846.936	247.21
LOCATION L0001100	VOLUME	448453.217	3764860.936	247.33
LOCATION L0001101	VOLUME	448453.217	3764874.936	247.38
LOCATION L0001102	VOLUME	448453.217	3764888.936	247.38
LOCATION L0001103	VOLUME	448453.217	3764902.936	247.38

LOCATION	L0001104	VOLUME	448453.217	3764916.936	247.38
LOCATION	L0001105	VOLUME	448453.217	3764930.936	247.39
LOCATION	L0001106	VOLUME	448453.217	3764944.936	247.41
LOCATION	L0001107	VOLUME	448453.217	3764958.936	247.44
LOCATION	L0001108	VOLUME	448453.217	3764972.936	247.57
LOCATION	L0001109	VOLUME	448453.217	3764986.936	247.70
LOCATION	L0001110	VOLUME	448453.217	3765000.936	248.10
LOCATION	L0001111	VOLUME	448453.217	3765014.936	248.49
LOCATION	L0001112	VOLUME	448453.217	3765028.936	248.67
LOCATION	L0001113	VOLUME	448453.217	3765042.936	248.83
LOCATION	L0001114	VOLUME	448453.217	3765056.936	248.99

** End of LINE VOLUME Source ID = 1H25

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 2H25

** DESCRSRC 6A Hamner 25%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 7

** 448433.695, 3762390.310, 225.14, 3.49, 6.51

** 448438.132, 3762861.510, 228.89, 3.49, 6.51

** 448441.681, 3763045.198, 230.41, 3.49, 6.51

** 448451.442, 3763598.038, 237.40, 3.49, 6.51

** 448463.866, 3764410.880, 242.77, 3.49, 6.51

** 448453.217, 3764823.513, 247.04, 3.49, 6.51

** 448453.217, 3765063.994, 249.19, 3.49, 6.51

** -----

LOCATION	L0002075	VOLUME	448433.761	3762397.310	225.16
LOCATION	L0002076	VOLUME	448433.892	3762411.309	225.30
LOCATION	L0002077	VOLUME	448434.024	3762425.308	225.44
LOCATION	L0002078	VOLUME	448434.156	3762439.308	225.58
LOCATION	L0002079	VOLUME	448434.288	3762453.307	225.72
LOCATION	L0002080	VOLUME	448434.420	3762467.306	225.87
LOCATION	L0002081	VOLUME	448434.552	3762481.306	226.01
LOCATION	L0002082	VOLUME	448434.683	3762495.305	226.15
LOCATION	L0002083	VOLUME	448434.815	3762509.305	226.29
LOCATION	L0002084	VOLUME	448434.947	3762523.304	226.44
LOCATION	L0002085	VOLUME	448435.079	3762537.303	226.58
LOCATION	L0002086	VOLUME	448435.211	3762551.303	226.72
LOCATION	L0002087	VOLUME	448435.342	3762565.302	226.86
LOCATION	L0002088	VOLUME	448435.474	3762579.301	227.00
LOCATION	L0002089	VOLUME	448435.606	3762593.301	227.15
LOCATION	L0002090	VOLUME	448435.738	3762607.300	227.29
LOCATION	L0002091	VOLUME	448435.870	3762621.300	227.43
LOCATION	L0002092	VOLUME	448436.002	3762635.299	227.57
LOCATION	L0002093	VOLUME	448436.133	3762649.298	227.73
LOCATION	L0002094	VOLUME	448436.265	3762663.298	227.93
LOCATION	L0002095	VOLUME	448436.397	3762677.297	228.13
LOCATION	L0002096	VOLUME	448436.529	3762691.297	228.27
LOCATION	L0002097	VOLUME	448436.661	3762705.296	228.41
LOCATION	L0002098	VOLUME	448436.792	3762719.295	228.50
LOCATION	L0002099	VOLUME	448436.924	3762733.295	228.58
LOCATION	L0002100	VOLUME	448437.056	3762747.294	228.71
LOCATION	L0002101	VOLUME	448437.188	3762761.293	228.85
LOCATION	L0002102	VOLUME	448437.320	3762775.293	228.90
LOCATION	L0002103	VOLUME	448437.452	3762789.292	228.90
LOCATION	L0002104	VOLUME	448437.583	3762803.292	228.90
LOCATION	L0002105	VOLUME	448437.715	3762817.291	228.90
LOCATION	L0002106	VOLUME	448437.847	3762831.290	228.90
LOCATION	L0002107	VOLUME	448437.979	3762845.290	228.90
LOCATION	L0002108	VOLUME	448438.111	3762859.289	228.92
LOCATION	L0002109	VOLUME	448438.359	3762873.287	229.01

LOCATION L0002110	VOLUME	448438.630	3762887.284	229.10
LOCATION L0002111	VOLUME	448438.900	3762901.282	229.10
LOCATION L0002112	VOLUME	448439.171	3762915.279	229.11
LOCATION L0002113	VOLUME	448439.441	3762929.276	229.11
LOCATION L0002114	VOLUME	448439.712	3762943.274	229.11
LOCATION L0002115	VOLUME	448439.982	3762957.271	229.34
LOCATION L0002116	VOLUME	448440.253	3762971.268	229.62
LOCATION L0002117	VOLUME	448440.523	3762985.266	229.82
LOCATION L0002118	VOLUME	448440.793	3762999.263	229.96
LOCATION L0002119	VOLUME	448441.064	3763013.261	230.13
LOCATION L0002120	VOLUME	448441.334	3763027.258	230.31
LOCATION L0002121	VOLUME	448441.605	3763041.255	230.49
LOCATION L0002122	VOLUME	448441.859	3763055.253	230.67
LOCATION L0002123	VOLUME	448442.106	3763069.251	230.84
LOCATION L0002124	VOLUME	448442.353	3763083.249	230.98
LOCATION L0002125	VOLUME	448442.600	3763097.247	231.12
LOCATION L0002126	VOLUME	448442.847	3763111.244	231.26
LOCATION L0002127	VOLUME	448443.094	3763125.242	231.40
LOCATION L0002128	VOLUME	448443.342	3763139.240	231.51
LOCATION L0002129	VOLUME	448443.589	3763153.238	231.62
LOCATION L0002130	VOLUME	448443.836	3763167.236	231.76
LOCATION L0002131	VOLUME	448444.083	3763181.233	231.90
LOCATION L0002132	VOLUME	448444.330	3763195.231	232.04
LOCATION L0002133	VOLUME	448444.577	3763209.229	232.19
LOCATION L0002134	VOLUME	448444.824	3763223.227	232.33
LOCATION L0002135	VOLUME	448445.072	3763237.225	232.47
LOCATION L0002136	VOLUME	448445.319	3763251.223	232.62
LOCATION L0002137	VOLUME	448445.566	3763265.220	232.78
LOCATION L0002138	VOLUME	448445.813	3763279.218	232.96
LOCATION L0002139	VOLUME	448446.060	3763293.216	233.23
LOCATION L0002140	VOLUME	448446.307	3763307.214	233.49
LOCATION L0002141	VOLUME	448446.555	3763321.212	233.63
LOCATION L0002142	VOLUME	448446.802	3763335.209	233.77
LOCATION L0002143	VOLUME	448447.049	3763349.207	233.91
LOCATION L0002144	VOLUME	448447.296	3763363.205	234.05
LOCATION L0002145	VOLUME	448447.543	3763377.203	234.20
LOCATION L0002146	VOLUME	448447.790	3763391.201	234.34
LOCATION L0002147	VOLUME	448448.037	3763405.199	234.48
LOCATION L0002148	VOLUME	448448.285	3763419.196	234.62
LOCATION L0002149	VOLUME	448448.532	3763433.194	234.77
LOCATION L0002150	VOLUME	448448.779	3763447.192	234.91
LOCATION L0002151	VOLUME	448449.026	3763461.190	235.05
LOCATION L0002152	VOLUME	448449.273	3763475.188	235.19
LOCATION L0002153	VOLUME	448449.520	3763489.185	235.36
LOCATION L0002154	VOLUME	448449.768	3763503.183	235.65
LOCATION L0002155	VOLUME	448450.015	3763517.181	235.93
LOCATION L0002156	VOLUME	448450.262	3763531.179	236.22
LOCATION L0002157	VOLUME	448450.509	3763545.177	236.50
LOCATION L0002158	VOLUME	448450.756	3763559.175	236.78
LOCATION L0002159	VOLUME	448451.003	3763573.172	237.06
LOCATION L0002160	VOLUME	448451.250	3763587.170	237.23
LOCATION L0002161	VOLUME	448451.490	3763601.168	237.37
LOCATION L0002162	VOLUME	448451.704	3763615.167	237.51
LOCATION L0002163	VOLUME	448451.918	3763629.165	237.65
LOCATION L0002164	VOLUME	448452.132	3763643.163	237.72
LOCATION L0002165	VOLUME	448452.346	3763657.162	237.74
LOCATION L0002166	VOLUME	448452.560	3763671.160	237.84
LOCATION L0002167	VOLUME	448452.774	3763685.158	238.11
LOCATION L0002168	VOLUME	448452.988	3763699.157	238.32
LOCATION L0002169	VOLUME	448453.202	3763713.155	238.32
LOCATION L0002170	VOLUME	448453.416	3763727.153	238.32
LOCATION L0002171	VOLUME	448453.630	3763741.152	238.46
LOCATION L0002172	VOLUME	448453.844	3763755.150	238.60
LOCATION L0002173	VOLUME	448454.058	3763769.149	238.74
LOCATION L0002174	VOLUME	448454.272	3763783.147	238.88
LOCATION L0002175	VOLUME	448454.485	3763797.145	239.00

LOCATION L0002176	VOLUME	448454.699	3763811.144	239.12
LOCATION L0002177	VOLUME	448454.913	3763825.142	239.16
LOCATION L0002178	VOLUME	448455.127	3763839.140	239.15
LOCATION L0002179	VOLUME	448455.341	3763853.139	239.09
LOCATION L0002180	VOLUME	448455.555	3763867.137	238.98
LOCATION L0002181	VOLUME	448455.769	3763881.135	238.91
LOCATION L0002182	VOLUME	448455.983	3763895.134	238.94
LOCATION L0002183	VOLUME	448456.197	3763909.132	238.96
LOCATION L0002184	VOLUME	448456.411	3763923.131	238.96
LOCATION L0002185	VOLUME	448456.625	3763937.129	238.97
LOCATION L0002186	VOLUME	448456.839	3763951.127	239.08
LOCATION L0002187	VOLUME	448457.053	3763965.126	239.18
LOCATION L0002188	VOLUME	448457.267	3763979.124	239.22
LOCATION L0002189	VOLUME	448457.481	3763993.122	239.26
LOCATION L0002190	VOLUME	448457.695	3764007.121	239.38
LOCATION L0002191	VOLUME	448457.909	3764021.119	239.52
LOCATION L0002192	VOLUME	448458.123	3764035.117	239.66
LOCATION L0002193	VOLUME	448458.337	3764049.116	239.80
LOCATION L0002194	VOLUME	448458.550	3764063.114	239.99
LOCATION L0002195	VOLUME	448458.764	3764077.113	240.23
LOCATION L0002196	VOLUME	448458.978	3764091.111	240.41
LOCATION L0002197	VOLUME	448459.192	3764105.109	240.45
LOCATION L0002198	VOLUME	448459.406	3764119.108	240.52
LOCATION L0002199	VOLUME	448459.620	3764133.106	240.66
LOCATION L0002200	VOLUME	448459.834	3764147.104	240.80
LOCATION L0002201	VOLUME	448460.048	3764161.103	241.00
LOCATION L0002202	VOLUME	448460.262	3764175.101	241.19
LOCATION L0002203	VOLUME	448460.476	3764189.099	241.47
LOCATION L0002204	VOLUME	448460.690	3764203.098	241.76
LOCATION L0002205	VOLUME	448460.904	3764217.096	242.26
LOCATION L0002206	VOLUME	448461.118	3764231.095	242.83
LOCATION L0002207	VOLUME	448461.332	3764245.093	243.22
LOCATION L0002208	VOLUME	448461.546	3764259.091	243.51
LOCATION L0002209	VOLUME	448461.760	3764273.090	243.66
LOCATION L0002210	VOLUME	448461.974	3764287.088	243.66
LOCATION L0002211	VOLUME	448462.188	3764301.086	243.64
LOCATION L0002212	VOLUME	448462.402	3764315.085	243.56
LOCATION L0002213	VOLUME	448462.616	3764329.083	243.46
LOCATION L0002214	VOLUME	448462.829	3764343.082	243.26
LOCATION L0002215	VOLUME	448463.043	3764357.080	243.06
LOCATION L0002216	VOLUME	448463.257	3764371.078	242.92
LOCATION L0002217	VOLUME	448463.471	3764385.077	242.78
LOCATION L0002218	VOLUME	448463.685	3764399.075	242.77
LOCATION L0002219	VOLUME	448463.809	3764413.073	242.78
LOCATION L0002220	VOLUME	448463.448	3764427.068	242.83
LOCATION L0002221	VOLUME	448463.087	3764441.064	242.90
LOCATION L0002222	VOLUME	448462.726	3764455.059	243.01
LOCATION L0002223	VOLUME	448462.364	3764469.054	243.16
LOCATION L0002224	VOLUME	448462.003	3764483.050	243.30
LOCATION L0002225	VOLUME	448461.642	3764497.045	243.44
LOCATION L0002226	VOLUME	448461.281	3764511.040	243.58
LOCATION L0002227	VOLUME	448460.920	3764525.036	243.73
LOCATION L0002228	VOLUME	448460.559	3764539.031	243.87
LOCATION L0002229	VOLUME	448460.197	3764553.026	244.01
LOCATION L0002230	VOLUME	448459.836	3764567.022	244.15
LOCATION L0002231	VOLUME	448459.475	3764581.017	244.34
LOCATION L0002232	VOLUME	448459.114	3764595.012	244.53
LOCATION L0002233	VOLUME	448458.753	3764609.008	244.72
LOCATION L0002234	VOLUME	448458.392	3764623.003	244.92
LOCATION L0002235	VOLUME	448458.030	3764636.998	245.08
LOCATION L0002236	VOLUME	448457.669	3764650.994	245.23
LOCATION L0002237	VOLUME	448457.308	3764664.989	245.40
LOCATION L0002238	VOLUME	448456.947	3764678.984	245.58
LOCATION L0002239	VOLUME	448456.586	3764692.980	245.77
LOCATION L0002240	VOLUME	448456.225	3764706.975	245.99
LOCATION L0002241	VOLUME	448455.863	3764720.970	246.16

LOCATION	VOLUME				
L0002242	448455.502	3764734.966	246.19		
L0002243	448455.141	3764748.961	246.25		
L0002244	448454.780	3764762.956	246.39		
L0002245	448454.419	3764776.952	246.54		
L0002246	448454.058	3764790.947	246.68		
L0002247	448453.696	3764804.942	246.83		
L0002248	448453.335	3764818.938	246.96		
L0002249	448453.217	3764832.936	247.09		
L0002250	448453.217	3764846.936	247.21		
L0002251	448453.217	3764860.936	247.33		
L0002252	448453.217	3764874.936	247.38		
L0002253	448453.217	3764888.936	247.38		
L0002254	448453.217	3764902.936	247.38		
L0002255	448453.217	3764916.936	247.38		
L0002256	448453.217	3764930.936	247.39		
L0002257	448453.217	3764944.936	247.41		
L0002258	448453.217	3764958.936	247.44		
L0002259	448453.217	3764972.936	247.57		
L0002260	448453.217	3764986.936	247.70		
L0002261	448453.217	3765000.936	248.10		
L0002262	448453.217	3765014.936	248.49		
L0002263	448453.217	3765028.936	248.67		
L0002264	448453.217	3765042.936	248.83		
L0002265	448453.217	3765056.936	248.99		

** End of LINE VOLUME Source ID = 2H25

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 1OR60

** DESCRSRC 2C,3C,5A Ontario Ranch 60%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 6

** 448439.906, 3762388.535, 224.96, 3.49, 6.51

** 448621.820, 3762386.760, 224.36, 3.49, 6.51

** 448708.783, 3762392.972, 222.80, 3.49, 6.51

** 448783.323, 3762407.170, 222.51, 3.49, 6.51

** 448868.512, 3762428.467, 222.75, 3.49, 6.51

** 449293.569, 3762584.647, 224.33, 3.49, 6.51

**

LOCATION	VOLUME				
L0001115	448446.906	3762388.467	225.07		
L0001116	448460.905	3762388.330	225.06		
L0001117	448474.905	3762388.194	225.06		
L0001118	448488.904	3762388.057	225.06		
L0001119	448502.903	3762387.921	225.06		
L0001120	448516.903	3762387.784	225.06		
L0001121	448530.902	3762387.647	225.06		
L0001122	448544.901	3762387.511	225.06		
L0001123	448558.901	3762387.374	225.05		
L0001124	448572.900	3762387.238	225.07		
L0001125	448586.899	3762387.101	225.12		
L0001126	448600.899	3762386.964	225.13		
L0001127	448614.898	3762386.828	224.90		
L0001128	448628.880	3762387.265	224.68		
L0001129	448642.844	3762388.262	224.32		
L0001130	448656.809	3762389.260	223.93		
L0001131	448670.773	3762390.257	223.52		
L0001132	448684.737	3762391.254	223.10		
L0001133	448698.702	3762392.252	222.74		
L0001134	448712.607	3762393.700	222.42		
L0001135	448726.360	3762396.320	222.28		
L0001136	448740.113	3762398.940	222.25		
L0001137	448753.866	3762401.559	222.24		

LOCATION	VOLUME			
L0001138	448767.618	3762404.179	222.38	
L0001139	448781.371	3762406.798	222.52	
L0001140	448794.977	3762410.084	222.68	
L0001141	448808.559	3762413.479	222.87	
L0001142	448822.141	3762416.875	222.79	
L0001143	448835.723	3762420.270	222.68	
L0001144	448849.305	3762423.666	222.64	
L0001145	448862.887	3762427.061	222.64	
L0001146	448876.211	3762431.296	222.72	
L0001147	448889.352	3762436.125	222.81	
L0001148	448902.493	3762440.953	222.86	
L0001149	448915.634	3762445.781	222.91	
L0001150	448928.775	3762450.610	222.95	
L0001151	448941.916	3762455.438	223.08	
L0001152	448955.057	3762460.267	223.26	
L0001153	448968.198	3762465.095	223.40	
L0001154	448981.339	3762469.924	223.46	
L0001155	448994.480	3762474.752	223.50	
L0001156	449007.621	3762479.580	223.55	
L0001157	449020.762	3762484.409	223.62	
L0001158	449033.903	3762489.237	223.80	
L0001159	449047.044	3762494.066	223.98	
L0001160	449060.185	3762498.894	224.05	
L0001161	449073.326	3762503.723	224.10	
L0001162	449086.467	3762508.551	224.15	
L0001163	449099.608	3762513.379	224.20	
L0001164	449112.749	3762518.208	224.25	
L0001165	449125.890	3762523.036	224.30	
L0001166	449139.031	3762527.865	224.35	
L0001167	449152.172	3762532.693	224.40	
L0001168	449165.313	3762537.522	224.45	
L0001169	449178.454	3762542.350	224.45	
L0001170	449191.595	3762547.178	224.48	
L0001171	449204.736	3762552.007	224.50	
L0001172	449217.877	3762556.835	224.46	
L0001173	449231.018	3762561.664	224.44	
L0001174	449244.159	3762566.492	224.49	
L0001175	449257.300	3762571.321	224.50	
L0001176	449270.441	3762576.149	224.42	
L0001177	449283.582	3762580.977	224.34	

** End of LINE VOLUME Source ID = 1OR60

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 2OR60

** DESCRSRC 6A Ontario Ranch 60%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 6

** 448439.906, 3762388.535, 224.96, 3.49, 6.51

** 448621.820, 3762386.760, 224.36, 3.49, 6.51

** 448708.783, 3762392.972, 222.80, 3.49, 6.51

** 448783.323, 3762407.170, 222.51, 3.49, 6.51

** 448868.512, 3762428.467, 222.75, 3.49, 6.51

** 449293.569, 3762584.647, 224.33, 3.49, 6.51

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LOCATION	VOLUME			
L0001821	448446.906	3762388.467	225.07	
L0001822	448460.905	3762388.330	225.06	
L0001823	448474.905	3762388.194	225.06	
L0001824	448488.904	3762388.057	225.06	
L0001825	448502.903	3762387.921	225.06	
L0001826	448516.903	3762387.784	225.06	
L0001827	448530.902	3762387.647	225.06	

LOCATION L0001828	VOLUME	448544.901	3762387.511	225.06
LOCATION L0001829	VOLUME	448558.901	3762387.374	225.05
LOCATION L0001830	VOLUME	448572.900	3762387.238	225.07
LOCATION L0001831	VOLUME	448586.899	3762387.101	225.12
LOCATION L0001832	VOLUME	448600.899	3762386.964	225.13
LOCATION L0001833	VOLUME	448614.898	3762386.828	224.90
LOCATION L0001834	VOLUME	448628.880	3762387.265	224.68
LOCATION L0001835	VOLUME	448642.844	3762388.262	224.32
LOCATION L0001836	VOLUME	448656.809	3762389.260	223.93
LOCATION L0001837	VOLUME	448670.773	3762390.257	223.52
LOCATION L0001838	VOLUME	448684.737	3762391.254	223.10
LOCATION L0001839	VOLUME	448698.702	3762392.252	222.74
LOCATION L0001840	VOLUME	448712.607	3762393.700	222.42
LOCATION L0001841	VOLUME	448726.360	3762396.320	222.28
LOCATION L0001842	VOLUME	448740.113	3762398.940	222.25
LOCATION L0001843	VOLUME	448753.866	3762401.559	222.24
LOCATION L0001844	VOLUME	448767.618	3762404.179	222.38
LOCATION L0001845	VOLUME	448781.371	3762406.798	222.52
LOCATION L0001846	VOLUME	448794.977	3762410.084	222.68
LOCATION L0001847	VOLUME	448808.559	3762413.479	222.87
LOCATION L0001848	VOLUME	448822.141	3762416.875	222.79
LOCATION L0001849	VOLUME	448835.723	3762420.270	222.68
LOCATION L0001850	VOLUME	448849.305	3762423.666	222.64
LOCATION L0001851	VOLUME	448862.887	3762427.061	222.64
LOCATION L0001852	VOLUME	448876.211	3762431.296	222.72
LOCATION L0001853	VOLUME	448889.352	3762436.125	222.81
LOCATION L0001854	VOLUME	448902.493	3762440.953	222.86
LOCATION L0001855	VOLUME	448915.634	3762445.781	222.91
LOCATION L0001856	VOLUME	448928.775	3762450.610	222.95
LOCATION L0001857	VOLUME	448941.916	3762455.438	223.08
LOCATION L0001858	VOLUME	448955.057	3762460.267	223.26
LOCATION L0001859	VOLUME	448968.198	3762465.095	223.40
LOCATION L0001860	VOLUME	448981.339	3762469.924	223.46
LOCATION L0001861	VOLUME	448994.480	3762474.752	223.50
LOCATION L0001862	VOLUME	449007.621	3762479.580	223.55
LOCATION L0001863	VOLUME	449020.762	3762484.409	223.62
LOCATION L0001864	VOLUME	449033.903	3762489.237	223.80
LOCATION L0001865	VOLUME	449047.044	3762494.066	223.98
LOCATION L0001866	VOLUME	449060.185	3762498.894	224.05
LOCATION L0001867	VOLUME	449073.326	3762503.723	224.10
LOCATION L0001868	VOLUME	449086.467	3762508.551	224.15
LOCATION L0001869	VOLUME	449099.608	3762513.379	224.20
LOCATION L0001870	VOLUME	449112.749	3762518.208	224.25
LOCATION L0001871	VOLUME	449125.890	3762523.036	224.30
LOCATION L0001872	VOLUME	449139.031	3762527.865	224.35
LOCATION L0001873	VOLUME	449152.172	3762532.693	224.40
LOCATION L0001874	VOLUME	449165.313	3762537.522	224.45
LOCATION L0001875	VOLUME	449178.454	3762542.350	224.45
LOCATION L0001876	VOLUME	449191.595	3762547.178	224.48
LOCATION L0001877	VOLUME	449204.736	3762552.007	224.50
LOCATION L0001878	VOLUME	449217.877	3762556.835	224.46
LOCATION L0001879	VOLUME	449231.018	3762561.664	224.44
LOCATION L0001880	VOLUME	449244.159	3762566.492	224.49
LOCATION L0001881	VOLUME	449257.300	3762571.321	224.50
LOCATION L0001882	VOLUME	449270.441	3762576.149	224.42
LOCATION L0001883	VOLUME	449283.582	3762580.977	224.34

** End of LINE VOLUME Source ID = 2OR60

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 2MC45

** DESCRSRC 6A MillCreek 45%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

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** SZINIT = 3.25
** Nodes = 6
** 447576.163, 3762769.751, 227.38, 3.49, 4.00
** 447591.876, 3762664.814, 226.09, 3.49, 4.00
** 447601.415, 3762603.086, 225.46, 3.49, 4.00
** 447613.761, 3762526.768, 224.63, 3.49, 4.00
** 447623.862, 3762498.149, 224.31, 3.49, 4.00
** 447619.934, 3762425.198, 223.65, 3.49, 4.00

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LOCATION L0002266      VOLUME  447576.799 3762765.503 227.37
LOCATION L0002267      VOLUME  447578.071 3762757.008 227.29
LOCATION L0002268      VOLUME  447579.343 3762748.513 227.20
LOCATION L0002269      VOLUME  447580.615 3762740.017 227.11
LOCATION L0002270      VOLUME  447581.887 3762731.522 227.03
LOCATION L0002271      VOLUME  447583.159 3762723.027 226.94
LOCATION L0002272      VOLUME  447584.431 3762714.532 226.85
LOCATION L0002273      VOLUME  447585.703 3762706.036 226.77
LOCATION L0002274      VOLUME  447586.975 3762697.541 226.59
LOCATION L0002275      VOLUME  447588.247 3762689.046 226.42
LOCATION L0002276      VOLUME  447589.519 3762680.550 226.25
LOCATION L0002277      VOLUME  447590.791 3762672.055 226.12
LOCATION L0002278      VOLUME  447592.069 3762663.561 226.03
LOCATION L0002279      VOLUME  447593.381 3762655.071 225.95
LOCATION L0002280      VOLUME  447594.693 3762646.582 225.86
LOCATION L0002281      VOLUME  447596.005 3762638.093 225.77
LOCATION L0002282      VOLUME  447597.317 3762629.604 225.69
LOCATION L0002283      VOLUME  447598.629 3762621.115 225.60
LOCATION L0002284      VOLUME  447599.941 3762612.625 225.51
LOCATION L0002285      VOLUME  447601.253 3762604.136 225.43
LOCATION L0002286      VOLUME  447602.617 3762595.655 225.34
LOCATION L0002287      VOLUME  447603.989 3762587.175 225.26
LOCATION L0002288      VOLUME  447605.361 3762578.696 225.17
LOCATION L0002289      VOLUME  447606.733 3762570.216 225.08
LOCATION L0002290      VOLUME  447608.104 3762561.736 225.00
LOCATION L0002291      VOLUME  447609.476 3762553.256 224.91
LOCATION L0002292      VOLUME  447610.848 3762544.777 224.83
LOCATION L0002293      VOLUME  447612.220 3762536.297 224.74
LOCATION L0002294      VOLUME  447613.591 3762527.817 224.65
LOCATION L0002295      VOLUME  447616.266 3762519.670 224.57
LOCATION L0002296      VOLUME  447619.125 3762511.570 224.49
LOCATION L0002297      VOLUME  447621.984 3762503.469 224.41
LOCATION L0002298      VOLUME  447623.703 3762495.205 224.32
LOCATION L0002299      VOLUME  447623.241 3762486.628 224.23
LOCATION L0002300      VOLUME  447622.780 3762478.050 224.15
LOCATION L0002301      VOLUME  447622.318 3762469.472 224.06
LOCATION L0002302      VOLUME  447621.856 3762460.895 223.97
LOCATION L0002303      VOLUME  447621.394 3762452.317 223.89
LOCATION L0002304      VOLUME  447620.932 3762443.740 223.80
LOCATION L0002305      VOLUME  447620.470 3762435.162 223.72
LOCATION L0002306      VOLUME  447620.008 3762426.585 223.66
** End of LINE VOLUME Source ID = 2MC45
LOCATION 5CREFF        VOLUME  447588.083 3762458.599 223.950
** DESCRSRC 5C Refuel
LOCATION 5CSPILL       VOLUME  447588.083 3762458.599 223.950
** DESCRSRC 5C Spill
LOCATION 5CLOAD        POINT    447587.960 3762475.120 224.120
** DESCRSRC 5C Load
LOCATION 5CBRE         POINT    447587.960 3762475.120 224.120
** DESCRSRC 5C Breathing
LOCATION 10BREF        VOLUME  448360.834 3762176.338 222.000
** DESCRSRC 10B Refuel
LOCATION 10BSPILL      VOLUME  448360.849 3762176.357 222.000
** DESCRSRC 10B Spill
LOCATION 10BBREAT      POINT    448348.589 3762163.060 222.000
** DESCRSRC 10B Breathing
LOCATION 10BLOAD       POINT    448348.589 3762163.060 222.000

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** DESCRSRC	10B Load				
LOCATION	4BREF	VOLUME	446867.676	3762342.136	222.770
** DESCRSRC	4B Refuel				
LOCATION	4BSPILL	VOLUME	446867.691	3762342.155	222.770
** DESCRSRC	4B Spill				
LOCATION	4BBREAT	POINT	446883.241	3762327.058	222.610
** DESCRSRC	4B Breathing				
LOCATION	4BLOAD	POINT	446883.241	3762327.058	222.610
** DESCRSRC	4B Load				
LOCATION	6BREF	VOLUME	448359.971	3762465.173	225.850
** DESCRSRC	6B Refuel				
LOCATION	6BSPILL	VOLUME	448359.986	3762465.191	225.850
** DESCRSRC	6B Spill				
LOCATION	6BBREAT	POINT	448344.715	3762485.143	226.050
** DESCRSRC	6B Breathing				
LOCATION	6BLOAD	POINT	448344.715	3762485.143	226.050
** DESCRSRC	6B Load				
LOCATION	8REF	VOLUME	448364.668	3762348.930	224.970
** DESCRSRC	8 Refuel				
LOCATION	8SPILL	VOLUME	448364.683	3762348.949	224.970
** DESCRSRC	8 Spill				
LOCATION	8BREAT	POINT	448350.586	3762332.501	224.800
** DESCRSRC	8 Breathing				
LOCATION	8LOAD	POINT	448350.586	3762332.501	224.800
** DESCRSRC	8 Load				
LOCATION	5BREF	VOLUME	447583.848	3762350.105	222.850
** DESCRSRC	5B Refuel				
LOCATION	5BSPILL	VOLUME	447583.863	3762350.123	222.850
** DESCRSRC	5B Spill				
LOCATION	5BBREAT	POINT	447570.940	3762334.850	222.660
** DESCRSRC	5B Breathing				
LOCATION	5BLOAD	POINT	447570.940	3762334.850	222.660
** DESCRSRC	5B Load				

** Source Parameters **

** LINE	VOLUME	Source ID	= 2CIDLE		
SRCPARAM	L0000119	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000120	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000121	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000122	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000123	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000124	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000125	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000126	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000127	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000128	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000129	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000130	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000131	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000132	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000133	0.0666666667	3.49	4.00	3.25

** LINE	VOLUME	Source ID	= 3CIDLE		
SRCPARAM	L0000104	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000105	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000106	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000107	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000108	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000109	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000110	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000111	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000112	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000113	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000114	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000115	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000116	0.0666666667	3.49	4.00	3.25
SRCPARAM	L0000117	0.0666666667	3.49	4.00	3.25

**	SRCPARAM	L0000118	0.0666666667	3.49	4.00	3.25
**	-----					
**	LINE VOLUME	Source ID = 5AIDLE				
	SRCPARAM	L0000089	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000090	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000091	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000092	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000093	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000094	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000095	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000096	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000097	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000098	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000099	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000100	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000101	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000102	0.0666666667	3.49	4.00	3.25
	SRCPARAM	L0000103	0.0666666667	3.49	4.00	3.25
**	-----					
**	LINE VOLUME	Source ID = 2CON				
	SRCPARAM	L0000134	0.01	3.49	4.00	3.25
	SRCPARAM	L0000135	0.01	3.49	4.00	3.25
	SRCPARAM	L0000136	0.01	3.49	4.00	3.25
	SRCPARAM	L0000137	0.01	3.49	4.00	3.25
	SRCPARAM	L0000138	0.01	3.49	4.00	3.25
	SRCPARAM	L0000139	0.01	3.49	4.00	3.25
	SRCPARAM	L0000140	0.01	3.49	4.00	3.25
	SRCPARAM	L0000141	0.01	3.49	4.00	3.25
	SRCPARAM	L0000142	0.01	3.49	4.00	3.25
	SRCPARAM	L0000143	0.01	3.49	4.00	3.25
	SRCPARAM	L0000144	0.01	3.49	4.00	3.25
	SRCPARAM	L0000145	0.01	3.49	4.00	3.25
	SRCPARAM	L0000146	0.01	3.49	4.00	3.25
	SRCPARAM	L0000147	0.01	3.49	4.00	3.25
	SRCPARAM	L0000148	0.01	3.49	4.00	3.25
	SRCPARAM	L0000149	0.01	3.49	4.00	3.25
	SRCPARAM	L0000150	0.01	3.49	4.00	3.25
	SRCPARAM	L0000151	0.01	3.49	4.00	3.25
	SRCPARAM	L0000152	0.01	3.49	4.00	3.25
	SRCPARAM	L0000153	0.01	3.49	4.00	3.25
	SRCPARAM	L0000154	0.01	3.49	4.00	3.25
	SRCPARAM	L0000155	0.01	3.49	4.00	3.25
	SRCPARAM	L0000156	0.01	3.49	4.00	3.25
	SRCPARAM	L0000157	0.01	3.49	4.00	3.25
	SRCPARAM	L0000158	0.01	3.49	4.00	3.25
	SRCPARAM	L0000159	0.01	3.49	4.00	3.25
	SRCPARAM	L0000160	0.01	3.49	4.00	3.25
	SRCPARAM	L0000161	0.01	3.49	4.00	3.25
	SRCPARAM	L0000162	0.01	3.49	4.00	3.25
	SRCPARAM	L0000163	0.01	3.49	4.00	3.25
	SRCPARAM	L0000164	0.01	3.49	4.00	3.25
	SRCPARAM	L0000165	0.01	3.49	4.00	3.25
	SRCPARAM	L0000166	0.01	3.49	4.00	3.25
	SRCPARAM	L0000167	0.01	3.49	4.00	3.25
	SRCPARAM	L0000168	0.01	3.49	4.00	3.25
	SRCPARAM	L0000169	0.01	3.49	4.00	3.25
	SRCPARAM	L0000170	0.01	3.49	4.00	3.25
	SRCPARAM	L0000171	0.01	3.49	4.00	3.25
	SRCPARAM	L0000172	0.01	3.49	4.00	3.25
	SRCPARAM	L0000173	0.01	3.49	4.00	3.25
	SRCPARAM	L0000174	0.01	3.49	4.00	3.25
	SRCPARAM	L0000175	0.01	3.49	4.00	3.25
	SRCPARAM	L0000176	0.01	3.49	4.00	3.25
	SRCPARAM	L0000177	0.01	3.49	4.00	3.25
	SRCPARAM	L0000178	0.01	3.49	4.00	3.25
	SRCPARAM	L0000179	0.01	3.49	4.00	3.25

SRCPARAM	L0000180	0.01	3.49	4.00	3.25
SRCPARAM	L0000181	0.01	3.49	4.00	3.25
SRCPARAM	L0000182	0.01	3.49	4.00	3.25
SRCPARAM	L0000183	0.01	3.49	4.00	3.25
SRCPARAM	L0000184	0.01	3.49	4.00	3.25
SRCPARAM	L0000185	0.01	3.49	4.00	3.25
SRCPARAM	L0000186	0.01	3.49	4.00	3.25
SRCPARAM	L0000187	0.01	3.49	4.00	3.25
SRCPARAM	L0000188	0.01	3.49	4.00	3.25
SRCPARAM	L0000189	0.01	3.49	4.00	3.25
SRCPARAM	L0000190	0.01	3.49	4.00	3.25
SRCPARAM	L0000191	0.01	3.49	4.00	3.25
SRCPARAM	L0000192	0.01	3.49	4.00	3.25
SRCPARAM	L0000193	0.01	3.49	4.00	3.25
SRCPARAM	L0000194	0.01	3.49	4.00	3.25
SRCPARAM	L0000195	0.01	3.49	4.00	3.25
SRCPARAM	L0000196	0.01	3.49	4.00	3.25
SRCPARAM	L0000197	0.01	3.49	4.00	3.25
SRCPARAM	L0000198	0.01	3.49	4.00	3.25
SRCPARAM	L0000199	0.01	3.49	4.00	3.25
SRCPARAM	L0000200	0.01	3.49	4.00	3.25
SRCPARAM	L0000201	0.01	3.49	4.00	3.25
SRCPARAM	L0000202	0.01	3.49	4.00	3.25
SRCPARAM	L0000203	0.01	3.49	4.00	3.25
SRCPARAM	L0000204	0.01	3.49	4.00	3.25
SRCPARAM	L0000205	0.01	3.49	4.00	3.25
SRCPARAM	L0000206	0.01	3.49	4.00	3.25
SRCPARAM	L0000207	0.01	3.49	4.00	3.25
SRCPARAM	L0000208	0.01	3.49	4.00	3.25
SRCPARAM	L0000209	0.01	3.49	4.00	3.25
SRCPARAM	L0000210	0.01	3.49	4.00	3.25
SRCPARAM	L0000211	0.01	3.49	4.00	3.25
SRCPARAM	L0000212	0.01	3.49	4.00	3.25
SRCPARAM	L0000213	0.01	3.49	4.00	3.25
SRCPARAM	L0000214	0.01	3.49	4.00	3.25
SRCPARAM	L0000215	0.01	3.49	4.00	3.25
SRCPARAM	L0000216	0.01	3.49	4.00	3.25
SRCPARAM	L0000217	0.01	3.49	4.00	3.25
SRCPARAM	L0000218	0.01	3.49	4.00	3.25
SRCPARAM	L0000219	0.01	3.49	4.00	3.25
SRCPARAM	L0000220	0.01	3.49	4.00	3.25
SRCPARAM	L0000221	0.01	3.49	4.00	3.25
SRCPARAM	L0000222	0.01	3.49	4.00	3.25
SRCPARAM	L0000223	0.01	3.49	4.00	3.25
SRCPARAM	L0000224	0.01	3.49	4.00	3.25
SRCPARAM	L0000225	0.01	3.49	4.00	3.25
SRCPARAM	L0000226	0.01	3.49	4.00	3.25
SRCPARAM	L0000227	0.01	3.49	4.00	3.25
SRCPARAM	L0000228	0.01	3.49	4.00	3.25
SRCPARAM	L0000229	0.01	3.49	4.00	3.25
SRCPARAM	L0000230	0.01	3.49	4.00	3.25
SRCPARAM	L0000231	0.01	3.49	4.00	3.25
SRCPARAM	L0000232	0.01	3.49	4.00	3.25
SRCPARAM	L0000233	0.01	3.49	4.00	3.25

**

** LINE VOLUME Source ID = 3CON

SRCPARAM	L0000234	0.0108695652	3.49	4.00	3.25
SRCPARAM	L0000235	0.0108695652	3.49	4.00	3.25
SRCPARAM	L0000236	0.0108695652	3.49	4.00	3.25
SRCPARAM	L0000237	0.0108695652	3.49	4.00	3.25
SRCPARAM	L0000238	0.0108695652	3.49	4.00	3.25
SRCPARAM	L0000239	0.0108695652	3.49	4.00	3.25
SRCPARAM	L0000240	0.0108695652	3.49	4.00	3.25
SRCPARAM	L0000241	0.0108695652	3.49	4.00	3.25
SRCPARAM	L0000242	0.0108695652	3.49	4.00	3.25
SRCPARAM	L0000243	0.0108695652	3.49	4.00	3.25

SRCPARAM	L0002280	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002281	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002282	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002283	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002284	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002285	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002286	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002287	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002288	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002289	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002290	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002291	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002292	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002293	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002294	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002295	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002296	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002297	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002298	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002299	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002300	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002301	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002302	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002303	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002304	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002305	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002306	0.0243902439	3.49	4.00	3.25

**

SRCPARAM	5CREF	1.0	1.000	4.651	2.330	
SRCPARAM	5CSPILL	1.0	0.000	4.651	2.330	
SRCPARAM	5CLOAD	1.0	3.660	291.480	0.001	0.051
SRCPARAM	5CBRE	1.0	3.660	288.710	0	0.051
SRCPARAM	10BREF	1.0	1.000	4.651	2.330	
SRCPARAM	10BSPILL	1.0	0.000	4.651	2.330	
SRCPARAM	10BBREAT	1.0	3.660	288.710	0	0.051
SRCPARAM	10BLOAD	1.0	3.660	291.480	0.001	0.051
SRCPARAM	4BREF	1.0	1.000	4.651	2.330	
SRCPARAM	4BSPILL	1.0	0.000	4.651	2.330	
SRCPARAM	4BBREAT	1.0	3.660	288.710	0	0.051
SRCPARAM	4BLOAD	1.0	3.660	291.480	0.001	0.051
SRCPARAM	6BREF	1.0	1.000	4.651	2.330	
SRCPARAM	6BSPILL	1.0	0.000	4.651	2.330	
SRCPARAM	6BBREAT	1.0	3.660	288.710	0	0.051
SRCPARAM	6BLOAD	1.0	3.660	291.480	0.001	0.051
SRCPARAM	8REF	1.0	1.000	4.651	2.330	
SRCPARAM	8SPILL	1.0	0.000	4.651	2.330	
SRCPARAM	8BREAT	1.0	3.660	288.710	0	0.051
SRCPARAM	8LOAD	1.0	3.660	291.480	0.001	0.051
SRCPARAM	5BREF	1.0	1.000	4.651	2.330	
SRCPARAM	5BSPILL	1.0	0.000	4.651	2.330	
SRCPARAM	5BBREAT	1.0	3.660	288.710	0	0.051
SRCPARAM	5BLOAD	1.0	3.660	291.480	0.001	0.051

URBANSRC ALL

SRCGROUP	10BBREAT	10BBREAT					
SRCGROUP	10BLOAD	10BLOAD					
SRCGROUP	10BREF	10BREF					
SRCGROUP	10BSPILL	10BSPILL					
SRCGROUP	1H25	L0000924	L0000925	L0000926	L0000927	L0000928	L0000929
SRCGROUP	1H25	L0000930	L0000931	L0000932	L0000933	L0000934	L0000935
SRCGROUP	1H25	L0000936	L0000937	L0000938	L0000939	L0000940	L0000941
SRCGROUP	1H25	L0000942	L0000943	L0000944	L0000945	L0000946	L0000947
SRCGROUP	1H25	L0000948	L0000949	L0000950	L0000951	L0000952	L0000953
SRCGROUP	1H25	L0000954	L0000955	L0000956	L0000957	L0000958	L0000959
SRCGROUP	1H25	L0000960	L0000961	L0000962	L0000963	L0000964	L0000965
SRCGROUP	1H25	L0000966	L0000967	L0000968	L0000969	L0000970	L0000971
SRCGROUP	1H25	L0000972	L0000973	L0000974	L0000975	L0000976	L0000977

SRCGROUP	1H25	L0000978	L0000979	L0000980	L0000981	L0000982	L0000983
SRCGROUP	1H25	L0000984	L0000985	L0000986	L0000987	L0000988	L0000989
SRCGROUP	1H25	L0000990	L0000991	L0000992	L0000993	L0000994	L0000995
SRCGROUP	1H25	L0000996	L0000997	L0000998	L0000999	L0001000	L0001001
SRCGROUP	1H25	L0001002	L0001003	L0001004	L0001005	L0001006	L0001007
SRCGROUP	1H25	L0001008	L0001009	L0001010	L0001011	L0001012	L0001013
SRCGROUP	1H25	L0001014	L0001015	L0001016	L0001017	L0001018	L0001019
SRCGROUP	1H25	L0001020	L0001021	L0001022	L0001023	L0001024	L0001025
SRCGROUP	1H25	L0001026	L0001027	L0001028	L0001029	L0001030	L0001031
SRCGROUP	1H25	L0001032	L0001033	L0001034	L0001035	L0001036	L0001037
SRCGROUP	1H25	L0001038	L0001039	L0001040	L0001041	L0001042	L0001043
SRCGROUP	1H25	L0001044	L0001045	L0001046	L0001047	L0001048	L0001049
SRCGROUP	1H25	L0001050	L0001051	L0001052	L0001053	L0001054	L0001055
SRCGROUP	1H25	L0001056	L0001057	L0001058	L0001059	L0001060	L0001061
SRCGROUP	1H25	L0001062	L0001063	L0001064	L0001065	L0001066	L0001067
SRCGROUP	1H25	L0001068	L0001069	L0001070	L0001071	L0001072	L0001073
SRCGROUP	1H25	L0001074	L0001075	L0001076	L0001077	L0001078	L0001079
SRCGROUP	1H25	L0001080	L0001081	L0001082	L0001083	L0001084	L0001085
SRCGROUP	1H25	L0001086	L0001087	L0001088	L0001089	L0001090	L0001091
SRCGROUP	1H25	L0001092	L0001093	L0001094	L0001095	L0001096	L0001097
SRCGROUP	1H25	L0001098	L0001099	L0001100	L0001101	L0001102	L0001103
SRCGROUP	1H25	L0001104	L0001105	L0001106	L0001107	L0001108	L0001109
SRCGROUP	1H25	L0001110	L0001111	L0001112	L0001113	L0001114	
SRCGROUP	1MC100	L0000510	L0000511	L0000512	L0000513	L0000514	L0000515
SRCGROUP	1MC100	L0000516	L0000517	L0000518	L0000519	L0000520	L0000521
SRCGROUP	1MC100	L0000522	L0000523	L0000524	L0000525	L0000526	L0000527
SRCGROUP	1MC100	L0000528	L0000529	L0000530	L0000531	L0000532	L0000533
SRCGROUP	1MC100	L0000534	L0000535	L0000536	L0000537	L0000538	L0000539
SRCGROUP	1MC100	L0000540	L0000541	L0000542	L0000543	L0000544	L0000545
SRCGROUP	1MC100	L0000546	L0000547	L0000548	L0000549	L0000550	L0000551
SRCGROUP	1MC100	L0000552	L0000553	L0000554	L0000555	L0000556	L0000557
SRCGROUP	1MC100	L0000558	L0000559	L0000560	L0000561	L0000562	L0000563
SRCGROUP	1MC100	L0000564	L0000565	L0000566	L0000567	L0000568	L0000569
SRCGROUP	1MC100	L0000570	L0000571	L0000572	L0000573	L0000574	L0000575
SRCGROUP	1MC100	L0000576	L0000577	L0000578	L0000579	L0000580	L0000581
SRCGROUP	1MC100	L0000582	L0000583	L0000584	L0000585	L0000586	L0000587
SRCGROUP	1MC100	L0000588	L0000589	L0000590	L0000591	L0000592	L0000593
SRCGROUP	1MC100	L0000594	L0000595	L0000596	L0000597	L0000598	L0000599
SRCGROUP	1MC100	L0000600	L0000601	L0000602	L0000603	L0000604	L0000605
SRCGROUP	1MC100	L0000606	L0000607	L0000608	L0000609	L0000610	L0000611
SRCGROUP	1MC100	L0000612	L0000613	L0000614	L0000615	L0000616	L0000617
SRCGROUP	1MC100	L0000618	L0000619	L0000620	L0000621	L0000622	L0000623
SRCGROUP	1MC100	L0000624	L0000625	L0000626	L0000627	L0000628	L0000629
SRCGROUP	1MC100	L0000630	L0000631	L0000632	L0000633		
SRCGROUP	1OR15	L0000634	L0000635	L0000636	L0000637	L0000638	L0000639
SRCGROUP	1OR15	L0000640	L0000641	L0000642	L0000643	L0000644	L0000645
SRCGROUP	1OR15	L0000646	L0000647	L0000648	L0000649	L0000650	L0000651
SRCGROUP	1OR15	L0000652	L0000653	L0000654	L0000655	L0000656	L0000657
SRCGROUP	1OR15	L0000658	L0000659	L0000660	L0000661	L0000662	L0000663
SRCGROUP	1OR15	L0000664	L0000665	L0000666	L0000667	L0000668	L0000669
SRCGROUP	1OR15	L0000670	L0000671	L0000672	L0000673	L0000674	L0000675
SRCGROUP	1OR15	L0000676	L0000677	L0000678	L0000679	L0000680	L0000681
SRCGROUP	1OR15	L0000682	L0000683	L0000684	L0000685	L0000686	L0000687
SRCGROUP	1OR15	L0000688	L0000689	L0000690	L0000691	L0000692	L0000693
SRCGROUP	1OR15	L0000694	L0000695	L0000696	L0000697	L0000698	L0000699
SRCGROUP	1OR15	L0000700	L0000701	L0000702	L0000703	L0000704	L0000705
SRCGROUP	1OR15	L0000706	L0000707	L0000708	L0000709	L0000710	L0000711
SRCGROUP	1OR15	L0000712	L0000713	L0000714	L0000715	L0000716	L0000717
SRCGROUP	1OR15	L0000718	L0000719	L0000720	L0000721	L0000722	L0000723
SRCGROUP	1OR15	L0000724	L0000725	L0000726	L0000727	L0000728	L0000729
SRCGROUP	1OR15	L0000730	L0000731	L0000732	L0000733	L0000734	L0000735
SRCGROUP	1OR15	L0000736	L0000737	L0000738	L0000739	L0000740	L0000741
SRCGROUP	1OR15	L0000742	L0000743	L0000744	L0000745	L0000746	L0000747
SRCGROUP	1OR15	L0000748	L0000749	L0000750	L0000751	L0000752	L0000753
SRCGROUP	1OR15	L0000754	L0000755	L0000756	L0000757	L0000758	L0000759
SRCGROUP	1OR15	L0000760	L0000761	L0000762	L0000763	L0000764	L0000765

SRCGROUP	1OR15	L0000766	L0000767	L0000768	L0000769	L0000770	L0000771
SRCGROUP	1OR15	L0000772	L0000773	L0000774	L0000775	L0000776	L0000777
SRCGROUP	1OR15	L0000778	L0000779	L0000780	L0000781	L0000782	L0000783
SRCGROUP	1OR15	L0000784	L0000785	L0000786	L0000787	L0000788	L0000789
SRCGROUP	1OR15	L0000790	L0000791	L0000792	L0000793	L0000794	L0000795
SRCGROUP	1OR15	L0000796	L0000797	L0000798	L0000799	L0000800	L0000801
SRCGROUP	1OR15	L0000802	L0000803	L0000804	L0000805	L0000806	L0000807
SRCGROUP	1OR15	L0000808	L0000809	L0000810	L0000811	L0000812	L0000813
SRCGROUP	1OR15	L0000814	L0000815	L0000816	L0000817	L0000818	L0000819
SRCGROUP	1OR15	L0000820	L0000821	L0000822	L0000823	L0000824	L0000825
SRCGROUP	1OR15	L0000826	L0000827	L0000828	L0000829	L0000830	L0000831
SRCGROUP	1OR15	L0000832	L0000833	L0000834	L0000835	L0000836	L0000837
SRCGROUP	1OR15	L0000838	L0000839	L0000840	L0000841	L0000842	L0000843
SRCGROUP	1OR15	L0000844	L0000845	L0000846	L0000847	L0000848	L0000849
SRCGROUP	1OR15	L0000850	L0000851	L0000852	L0000853	L0000854	L0000855
SRCGROUP	1OR15	L0000856	L0000857	L0000858	L0000859	L0000860	L0000861
SRCGROUP	1OR15	L0000862	L0000863	L0000864	L0000865	L0000866	
SRCGROUP	1OR60	L0001115	L0001116	L0001117	L0001118	L0001119	L0001120
SRCGROUP	1OR60	L0001121	L0001122	L0001123	L0001124	L0001125	L0001126
SRCGROUP	1OR60	L0001127	L0001128	L0001129	L0001130	L0001131	L0001132
SRCGROUP	1OR60	L0001133	L0001134	L0001135	L0001136	L0001137	L0001138
SRCGROUP	1OR60	L0001139	L0001140	L0001141	L0001142	L0001143	L0001144
SRCGROUP	1OR60	L0001145	L0001146	L0001147	L0001148	L0001149	L0001150
SRCGROUP	1OR60	L0001151	L0001152	L0001153	L0001154	L0001155	L0001156
SRCGROUP	1OR60	L0001157	L0001158	L0001159	L0001160	L0001161	L0001162
SRCGROUP	1OR60	L0001163	L0001164	L0001165	L0001166	L0001167	L0001168
SRCGROUP	1OR60	L0001169	L0001170	L0001171	L0001172	L0001173	L0001174
SRCGROUP	1OR60	L0001175	L0001176	L0001177			
SRCGROUP	1OR85	L0000867	L0000868	L0000869	L0000870	L0000871	L0000872
SRCGROUP	1OR85	L0000873	L0000874	L0000875	L0000876	L0000877	L0000878
SRCGROUP	1OR85	L0000879	L0000880	L0000881	L0000882	L0000883	L0000884
SRCGROUP	1OR85	L0000885	L0000886	L0000887	L0000888	L0000889	L0000890
SRCGROUP	1OR85	L0000891	L0000892	L0000893	L0000894	L0000895	L0000896
SRCGROUP	1OR85	L0000897	L0000898	L0000899	L0000900	L0000901	L0000902
SRCGROUP	1OR85	L0000903	L0000904	L0000905	L0000906	L0000907	L0000908
SRCGROUP	1OR85	L0000909	L0000910	L0000911	L0000912	L0000913	L0000914
SRCGROUP	1OR85	L0000915	L0000916	L0000917	L0000918	L0000919	L0000920
SRCGROUP	1OR85	L0000921	L0000922	L0000923			
SRCGROUP	2CIDLE	L0000119	L0000120	L0000121	L0000122	L0000123	L0000124
SRCGROUP	2CIDLE	L0000125	L0000126	L0000127	L0000128	L0000129	L0000130
SRCGROUP	2CIDLE	L0000131	L0000132	L0000133			
SRCGROUP	2CON	L0000134	L0000135	L0000136	L0000137	L0000138	L0000139
SRCGROUP	2CON	L0000140	L0000141	L0000142	L0000143	L0000144	L0000145
SRCGROUP	2CON	L0000146	L0000147	L0000148	L0000149	L0000150	L0000151
SRCGROUP	2CON	L0000152	L0000153	L0000154	L0000155	L0000156	L0000157
SRCGROUP	2CON	L0000158	L0000159	L0000160	L0000161	L0000162	L0000163
SRCGROUP	2CON	L0000164	L0000165	L0000166	L0000167	L0000168	L0000169
SRCGROUP	2CON	L0000170	L0000171	L0000172	L0000173	L0000174	L0000175
SRCGROUP	2CON	L0000176	L0000177	L0000178	L0000179	L0000180	L0000181
SRCGROUP	2CON	L0000182	L0000183	L0000184	L0000185	L0000186	L0000187
SRCGROUP	2CON	L0000188	L0000189	L0000190	L0000191	L0000192	L0000193
SRCGROUP	2CON	L0000194	L0000195	L0000196	L0000197	L0000198	L0000199
SRCGROUP	2CON	L0000200	L0000201	L0000202	L0000203	L0000204	L0000205
SRCGROUP	2CON	L0000206	L0000207	L0000208	L0000209	L0000210	L0000211
SRCGROUP	2CON	L0000212	L0000213	L0000214	L0000215	L0000216	L0000217
SRCGROUP	2CON	L0000218	L0000219	L0000220	L0000221	L0000222	L0000223
SRCGROUP	2CON	L0000224	L0000225	L0000226	L0000227	L0000228	L0000229
SRCGROUP	2CON	L0000230	L0000231	L0000232	L0000233		
SRCGROUP	2H25	L0002075	L0002076	L0002077	L0002078	L0002079	L0002080
SRCGROUP	2H25	L0002081	L0002082	L0002083	L0002084	L0002085	L0002086
SRCGROUP	2H25	L0002087	L0002088	L0002089	L0002090	L0002091	L0002092
SRCGROUP	2H25	L0002093	L0002094	L0002095	L0002096	L0002097	L0002098
SRCGROUP	2H25	L0002099	L0002100	L0002101	L0002102	L0002103	L0002104
SRCGROUP	2H25	L0002105	L0002106	L0002107	L0002108	L0002109	L0002110
SRCGROUP	2H25	L0002111	L0002112	L0002113	L0002114	L0002115	L0002116
SRCGROUP	2H25	L0002117	L0002118	L0002119	L0002120	L0002121	L0002122

SRCGROUP	2H25	L0002123	L0002124	L0002125	L0002126	L0002127	L0002128
SRCGROUP	2H25	L0002129	L0002130	L0002131	L0002132	L0002133	L0002134
SRCGROUP	2H25	L0002135	L0002136	L0002137	L0002138	L0002139	L0002140
SRCGROUP	2H25	L0002141	L0002142	L0002143	L0002144	L0002145	L0002146
SRCGROUP	2H25	L0002147	L0002148	L0002149	L0002150	L0002151	L0002152
SRCGROUP	2H25	L0002153	L0002154	L0002155	L0002156	L0002157	L0002158
SRCGROUP	2H25	L0002159	L0002160	L0002161	L0002162	L0002163	L0002164
SRCGROUP	2H25	L0002165	L0002166	L0002167	L0002168	L0002169	L0002170
SRCGROUP	2H25	L0002171	L0002172	L0002173	L0002174	L0002175	L0002176
SRCGROUP	2H25	L0002177	L0002178	L0002179	L0002180	L0002181	L0002182
SRCGROUP	2H25	L0002183	L0002184	L0002185	L0002186	L0002187	L0002188
SRCGROUP	2H25	L0002189	L0002190	L0002191	L0002192	L0002193	L0002194
SRCGROUP	2H25	L0002195	L0002196	L0002197	L0002198	L0002199	L0002200
SRCGROUP	2H25	L0002201	L0002202	L0002203	L0002204	L0002205	L0002206
SRCGROUP	2H25	L0002207	L0002208	L0002209	L0002210	L0002211	L0002212
SRCGROUP	2H25	L0002213	L0002214	L0002215	L0002216	L0002217	L0002218
SRCGROUP	2H25	L0002219	L0002220	L0002221	L0002222	L0002223	L0002224
SRCGROUP	2H25	L0002225	L0002226	L0002227	L0002228	L0002229	L0002230
SRCGROUP	2H25	L0002231	L0002232	L0002233	L0002234	L0002235	L0002236
SRCGROUP	2H25	L0002237	L0002238	L0002239	L0002240	L0002241	L0002242
SRCGROUP	2H25	L0002243	L0002244	L0002245	L0002246	L0002247	L0002248
SRCGROUP	2H25	L0002249	L0002250	L0002251	L0002252	L0002253	L0002254
SRCGROUP	2H25	L0002255	L0002256	L0002257	L0002258	L0002259	L0002260
SRCGROUP	2H25	L0002261	L0002262	L0002263	L0002264	L0002265	
SRCGROUP	2MC45	L0002266	L0002267	L0002268	L0002269	L0002270	L0002271
SRCGROUP	2MC45	L0002272	L0002273	L0002274	L0002275	L0002276	L0002277
SRCGROUP	2MC45	L0002278	L0002279	L0002280	L0002281	L0002282	L0002283
SRCGROUP	2MC45	L0002284	L0002285	L0002286	L0002287	L0002288	L0002289
SRCGROUP	2MC45	L0002290	L0002291	L0002292	L0002293	L0002294	L0002295
SRCGROUP	2MC45	L0002296	L0002297	L0002298	L0002299	L0002300	L0002301
SRCGROUP	2MC45	L0002302	L0002303	L0002304	L0002305	L0002306	
SRCGROUP	2OR15	L0001178	L0001179	L0001180	L0001181	L0001182	L0001183
SRCGROUP	2OR15	L0001184	L0001185	L0001186	L0001187	L0001188	L0001189
SRCGROUP	2OR15	L0001190	L0001191	L0001192	L0001193	L0001194	L0001195
SRCGROUP	2OR15	L0001196	L0001197	L0001198	L0001199	L0001200	L0001201
SRCGROUP	2OR15	L0001202	L0001203	L0001204	L0001205	L0001206	L0001207
SRCGROUP	2OR15	L0001208	L0001209	L0001210	L0001211	L0001212	L0001213
SRCGROUP	2OR15	L0001214	L0001215	L0001216	L0001217	L0001218	L0001219
SRCGROUP	2OR15	L0001220	L0001221	L0001222	L0001223	L0001224	L0001225
SRCGROUP	2OR15	L0001226	L0001227	L0001228	L0001229	L0001230	L0001231
SRCGROUP	2OR15	L0001232	L0001233	L0001234	L0001235	L0001236	L0001237
SRCGROUP	2OR15	L0001238	L0001239	L0001240	L0001241	L0001242	L0001243
SRCGROUP	2OR15	L0001244	L0001245	L0001246	L0001247	L0001248	L0001249
SRCGROUP	2OR15	L0001250	L0001251	L0001252	L0001253	L0001254	L0001255
SRCGROUP	2OR15	L0001256	L0001257	L0001258	L0001259	L0001260	L0001261
SRCGROUP	2OR15	L0001262	L0001263	L0001264	L0001265	L0001266	L0001267
SRCGROUP	2OR15	L0001268	L0001269	L0001270	L0001271	L0001272	L0001273
SRCGROUP	2OR15	L0001274	L0001275	L0001276	L0001277	L0001278	L0001279
SRCGROUP	2OR15	L0001280	L0001281	L0001282	L0001283	L0001284	L0001285
SRCGROUP	2OR15	L0001286	L0001287	L0001288	L0001289	L0001290	L0001291
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SRCGROUP	2OR15	L0001298	L0001299	L0001300	L0001301	L0001302	L0001303
SRCGROUP	2OR15	L0001304	L0001305	L0001306	L0001307	L0001308	L0001309
SRCGROUP	2OR15	L0001310	L0001311	L0001312	L0001313	L0001314	L0001315
SRCGROUP	2OR15	L0001316	L0001317	L0001318	L0001319	L0001320	L0001321
SRCGROUP	2OR15	L0001322	L0001323	L0001324	L0001325	L0001326	L0001327
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SRCGROUP	2OR15	L0001334	L0001335	L0001336	L0001337	L0001338	L0001339
SRCGROUP	2OR15	L0001340	L0001341	L0001342	L0001343	L0001344	L0001345
SRCGROUP	2OR15	L0001346	L0001347	L0001348	L0001349	L0001350	L0001351
SRCGROUP	2OR15	L0001352	L0001353	L0001354	L0001355	L0001356	L0001357
SRCGROUP	2OR15	L0001358	L0001359	L0001360	L0001361	L0001362	L0001363
SRCGROUP	2OR15	L0001364	L0001365	L0001366	L0001367	L0001368	L0001369
SRCGROUP	2OR15	L0001370	L0001371	L0001372	L0001373	L0001374	L0001375
SRCGROUP	2OR15	L0001376	L0001377	L0001378	L0001379	L0001380	L0001381
SRCGROUP	2OR15	L0001382	L0001383	L0001384	L0001385	L0001386	L0001387

SRCGROUP	2OR15	L0001388	L0001389	L0001390	L0001391	L0001392	L0001393
SRCGROUP	2OR15	L0001394	L0001395	L0001396	L0001397	L0001398	L0001399
SRCGROUP	2OR15	L0001400	L0001401	L0001402	L0001403	L0001404	L0001405
SRCGROUP	2OR15	L0001406	L0001407	L0001408	L0001409	L0001410	
SRCGROUP	2OR30	L0001701	L0001702	L0001703	L0001704	L0001705	L0001706
SRCGROUP	2OR30	L0001707	L0001708	L0001709	L0001710	L0001711	L0001712
SRCGROUP	2OR30	L0001713	L0001714	L0001715	L0001716	L0001717	L0001718
SRCGROUP	2OR30	L0001719	L0001720	L0001721	L0001722	L0001723	L0001724
SRCGROUP	2OR30	L0001725	L0001726	L0001727	L0001728	L0001729	L0001730
SRCGROUP	2OR30	L0001731	L0001732	L0001733	L0001734	L0001735	L0001736
SRCGROUP	2OR30	L0001737	L0001738	L0001739	L0001740	L0001741	L0001742
SRCGROUP	2OR30	L0001743	L0001744	L0001745	L0001746	L0001747	L0001748
SRCGROUP	2OR30	L0001749	L0001750	L0001751	L0001752	L0001753	L0001754
SRCGROUP	2OR30	L0001755	L0001756	L0001757			
SRCGROUP	2OR60	L0001821	L0001822	L0001823	L0001824	L0001825	L0001826
SRCGROUP	2OR60	L0001827	L0001828	L0001829	L0001830	L0001831	L0001832
SRCGROUP	2OR60	L0001833	L0001834	L0001835	L0001836	L0001837	L0001838
SRCGROUP	2OR60	L0001839	L0001840	L0001841	L0001842	L0001843	L0001844
SRCGROUP	2OR60	L0001845	L0001846	L0001847	L0001848	L0001849	L0001850
SRCGROUP	2OR60	L0001851	L0001852	L0001853	L0001854	L0001855	L0001856
SRCGROUP	2OR60	L0001857	L0001858	L0001859	L0001860	L0001861	L0001862
SRCGROUP	2OR60	L0001863	L0001864	L0001865	L0001866	L0001867	L0001868
SRCGROUP	2OR60	L0001869	L0001870	L0001871	L0001872	L0001873	L0001874
SRCGROUP	2OR60	L0001875	L0001876	L0001877	L0001878	L0001879	L0001880
SRCGROUP	2OR60	L0001881	L0001882	L0001883			
SRCGROUP	3CIDLE	L0000104	L0000105	L0000106	L0000107	L0000108	L0000109
SRCGROUP	3CIDLE	L0000110	L0000111	L0000112	L0000113	L0000114	L0000115
SRCGROUP	3CIDLE	L0000116	L0000117	L0000118			
SRCGROUP	3CON	L0000234	L0000235	L0000236	L0000237	L0000238	L0000239
SRCGROUP	3CON	L0000240	L0000241	L0000242	L0000243	L0000244	L0000245
SRCGROUP	3CON	L0000246	L0000247	L0000248	L0000249	L0000250	L0000251
SRCGROUP	3CON	L0000252	L0000253	L0000254	L0000255	L0000256	L0000257
SRCGROUP	3CON	L0000258	L0000259	L0000260	L0000261	L0000262	L0000263
SRCGROUP	3CON	L0000264	L0000265	L0000266	L0000267	L0000268	L0000269
SRCGROUP	3CON	L0000270	L0000271	L0000272	L0000273	L0000274	L0000275
SRCGROUP	3CON	L0000276	L0000277	L0000278	L0000279	L0000280	L0000281
SRCGROUP	3CON	L0000282	L0000283	L0000284	L0000285	L0000286	L0000287
SRCGROUP	3CON	L0000288	L0000289	L0000290	L0000291	L0000292	L0000293
SRCGROUP	3CON	L0000294	L0000295	L0000296	L0000297	L0000298	L0000299
SRCGROUP	3CON	L0000300	L0000301	L0000302	L0000303	L0000304	L0000305
SRCGROUP	3CON	L0000306	L0000307	L0000308	L0000309	L0000310	L0000311
SRCGROUP	3CON	L0000312	L0000313	L0000314	L0000315	L0000316	L0000317
SRCGROUP	3CON	L0000318	L0000319	L0000320	L0000321	L0000322	L0000323
SRCGROUP	3CON	L0000324	L0000325				
SRCGROUP	4BBREAT	4BBREAT					
SRCGROUP	4BLOAD	4BLOAD					
SRCGROUP	4BREF	4BREF					
SRCGROUP	4BSPILL	4BSPILL					
SRCGROUP	5AIDLE	L0000089	L0000090	L0000091	L0000092	L0000093	L0000094
SRCGROUP	5AIDLE	L0000095	L0000096	L0000097	L0000098	L0000099	L0000100
SRCGROUP	5AIDLE	L0000101	L0000102	L0000103			
SRCGROUP	5AON	L0000326	L0000327	L0000328	L0000329	L0000330	L0000331
SRCGROUP	5AON	L0000332	L0000333	L0000334	L0000335	L0000336	L0000337
SRCGROUP	5AON	L0000338	L0000339	L0000340	L0000341	L0000342	L0000343
SRCGROUP	5AON	L0000344	L0000345	L0000346	L0000347	L0000348	L0000349
SRCGROUP	5AON	L0000350	L0000351	L0000352	L0000353	L0000354	L0000355
SRCGROUP	5AON	L0000356	L0000357	L0000358	L0000359	L0000360	L0000361
SRCGROUP	5AON	L0000362	L0000363	L0000364	L0000365	L0000366	L0000367
SRCGROUP	5AON	L0000368	L0000369	L0000370	L0000371	L0000372	L0000373
SRCGROUP	5AON	L0000374	L0000375	L0000376	L0000377	L0000378	L0000379
SRCGROUP	5AON	L0000380	L0000381				
SRCGROUP	5BBREAT	5BBREAT					
SRCGROUP	5BLOAD	5BLOAD					
SRCGROUP	5BREF	5BREF					
SRCGROUP	5BSPILL	5BSPILL					
SRCGROUP	5CBRE	5CBRE					

SRCGROUP 5CLOAD 5CLOAD
SRCGROUP 5CREF 5CREF
SRCGROUP 5CSPILL 5CSPILL
SRCGROUP 6AIDLE L0000382 L0000383 L0000384 L0000385 L0000386 L0000387
SRCGROUP 6AIDLE L0000388 L0000389 L0000390 L0000391 L0000392 L0000393
SRCGROUP 6AIDLE L0000394 L0000395 L0000396 L0000397 L0000398 L0000399
SRCGROUP 6AIDLE L0000400 L0000401 L0000402 L0000403 L0000404 L0000405
SRCGROUP 6AIDLE L0000406 L0000407 L0000408 L0000409 L0000410 L0000411
SRCGROUP 6AIDLE L0000412 L0000413 L0000414 L0000415 L0000416
SRCGROUP 6AON L0000417 L0000418 L0000419 L0000420 L0000421 L0000422
SRCGROUP 6AON L0000423 L0000424 L0000425 L0000426 L0000427 L0000428
SRCGROUP 6AON L0000429 L0000430 L0000431 L0000432 L0000433 L0000434
SRCGROUP 6AON L0000435 L0000436 L0000437 L0000438 L0000439 L0000440
SRCGROUP 6AON L0000441 L0000442 L0000443 L0000444 L0000445 L0000446
SRCGROUP 6AON L0000447 L0000448 L0000449 L0000450 L0000451 L0000452
SRCGROUP 6AON L0000453 L0000454 L0000455 L0000456 L0000457 L0000458
SRCGROUP 6AON L0000459 L0000460 L0000461 L0000462 L0000463 L0000464
SRCGROUP 6AON L0000465 L0000466 L0000467 L0000468 L0000469 L0000470
SRCGROUP 6AON L0000471 L0000472 L0000473 L0000474 L0000475 L0000476
SRCGROUP 6AON L0000477 L0000478 L0000479 L0000480 L0000481 L0000482
SRCGROUP 6AON L0000483 L0000484 L0000485 L0000486 L0000487 L0000488
SRCGROUP 6AON L0000489 L0000490 L0000491 L0000492 L0000493 L0000494
SRCGROUP 6AON L0000495 L0000496 L0000497 L0000498 L0000499 L0000500
SRCGROUP 6AON L0000501 L0000502 L0000503 L0000504 L0000505 L0000506
SRCGROUP 6AON L0000507 L0000508 L0000509
SRCGROUP 6BBREAT 6BBREAT
SRCGROUP 6BLOAD 6BLOAD
SRCGROUP 6BREF 6BREF
SRCGROUP 6BSPILL 6BSPILL
SRCGROUP 8BREAT 8BREAT
SRCGROUP 8LOAD 8LOAD
SRCGROUP 8REF 8REF
SRCGROUP 8SPILL 8SPILL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "14822 Ops HRA.rou"

RE FINISHED
**

** AERMOD Meteorology Pathway

**
**

ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED
**

** AERMOD Output Pathway

**
**

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST

PLOTFILE 1 ALL 1ST "14822 OPS HRA.AD\ALL_1H.PLT" 31
PLOTFILE PERIOD ALL "14822 OPS HRA.AD\ALL_PER.PLT" 32
PLOTFILE PERIOD 10BBREAT "14822 OPS HRA.AD\10BBREAT_PER.PLT" 33
PLOTFILE 1 10BBREAT 1ST "14822 OPS HRA.AD\10BBREAT_1H.PLT" 34
PLOTFILE 1 10BLOAD 1ST "14822 OPS HRA.AD\10BLOAD_1H.PLT" 35
PLOTFILE PERIOD 10BLOAD "14822 OPS HRA.AD\10BLOAD_PER.PLT" 36
PLOTFILE PERIOD 10BREF "14822 OPS HRA.AD\10BREF_PER.PLT" 37
PLOTFILE 1 10BREF 1ST "14822 OPS HRA.AD\10BREF_1H.PLT" 38
PLOTFILE 1 10BSPILL 1ST "14822 OPS HRA.AD\10BSPILL_1H.PLT" 39
PLOTFILE PERIOD 10BSPILL "14822 OPS HRA.AD\10BSPILL_PER.PLT" 40
PLOTFILE PERIOD 1H25 "14822 OPS HRA.AD\1H25_PER.PLT" 41
PLOTFILE 1 1H25 1ST "14822 OPS HRA.AD\1H25_1H.PLT" 42
PLOTFILE 1 1MC100 1ST "14822 OPS HRA.AD\1MC100_1H.PLT" 43
PLOTFILE PERIOD 1MC100 "14822 OPS HRA.AD\1MC100_PER.PLT" 44
PLOTFILE PERIOD 1OR15 "14822 OPS HRA.AD\1OR15_PER.PLT" 45
PLOTFILE 1 1OR15 1ST "14822 OPS HRA.AD\1OR15_1H.PLT" 46
PLOTFILE 1 1OR60 1ST "14822 OPS HRA.AD\1OR60_1H.PLT" 47
PLOTFILE PERIOD 1OR60 "14822 OPS HRA.AD\1OR60_PER.PLT" 48
PLOTFILE PERIOD 1OR85 "14822 OPS HRA.AD\1OR85_PER.PLT" 49
PLOTFILE 1 1OR85 1ST "14822 OPS HRA.AD\1OR85_1H.PLT" 50
PLOTFILE 1 2CIDLE 1ST "14822 OPS HRA.AD\2CIDLE_1H.PLT" 51
PLOTFILE PERIOD 2CIDLE "14822 OPS HRA.AD\2CIDLE_PER.PLT" 52
PLOTFILE PERIOD 2CON "14822 OPS HRA.AD\2CON_PER.PLT" 53
PLOTFILE 1 2CON 1ST "14822 OPS HRA.AD\2CON_1H.PLT" 54
PLOTFILE 1 2H25 1ST "14822 OPS HRA.AD\2H25_1H.PLT" 55
PLOTFILE PERIOD 2H25 "14822 OPS HRA.AD\2H25_PER.PLT" 56
PLOTFILE PERIOD 2MC45 "14822 OPS HRA.AD\2MC45_PER.PLT" 57
PLOTFILE 1 2MC45 1ST "14822 OPS HRA.AD\2MC45_1H.PLT" 58
PLOTFILE 1 2OR15 1ST "14822 OPS HRA.AD\2OR15_1H.PLT" 59
PLOTFILE PERIOD 2OR15 "14822 OPS HRA.AD\2OR15_PER.PLT" 60
PLOTFILE PERIOD 2OR30 "14822 OPS HRA.AD\2OR30_PER.PLT" 61
PLOTFILE 1 2OR30 1ST "14822 OPS HRA.AD\2OR30_1H.PLT" 62
PLOTFILE 1 2OR60 1ST "14822 OPS HRA.AD\2OR60_1H.PLT" 63
PLOTFILE PERIOD 2OR60 "14822 OPS HRA.AD\2OR60_PER.PLT" 64
PLOTFILE PERIOD 3CIDLE "14822 OPS HRA.AD\3CIDLE_PER.PLT" 65
PLOTFILE 1 3CIDLE 1ST "14822 OPS HRA.AD\3CIDLE_1H.PLT" 66
PLOTFILE 1 3CON 1ST "14822 OPS HRA.AD\3CON_1H.PLT" 67
PLOTFILE PERIOD 3CON "14822 OPS HRA.AD\3CON_PER.PLT" 68
PLOTFILE PERIOD 4BBREAT "14822 OPS HRA.AD\4BBREAT_PER.PLT" 69
PLOTFILE 1 4BBREAT 1ST "14822 OPS HRA.AD\4BBREAT_1H.PLT" 70
PLOTFILE 1 4BLOAD 1ST "14822 OPS HRA.AD\4BLOAD_1H.PLT" 71
PLOTFILE PERIOD 4BLOAD "14822 OPS HRA.AD\4BLOAD_PER.PLT" 72
PLOTFILE PERIOD 4BREF "14822 OPS HRA.AD\4BREF_PER.PLT" 73
PLOTFILE 1 4BREF 1ST "14822 OPS HRA.AD\4BREF_1H.PLT" 74
PLOTFILE 1 4BSPILL 1ST "14822 OPS HRA.AD\4BSPILL_1H.PLT" 75
PLOTFILE PERIOD 4BSPILL "14822 OPS HRA.AD\4BSPILL_PER.PLT" 76
PLOTFILE PERIOD 5AIDLE "14822 OPS HRA.AD\5AIDLE_PER.PLT" 77
PLOTFILE 1 5AIDLE 1ST "14822 OPS HRA.AD\5AIDLE_1H.PLT" 78
PLOTFILE 1 5AON 1ST "14822 OPS HRA.AD\5AON_1H.PLT" 79
PLOTFILE PERIOD 5AON "14822 OPS HRA.AD\5AON_PER.PLT" 80
PLOTFILE PERIOD 5BBREAT "14822 OPS HRA.AD\5BBREAT_PER.PLT" 81
PLOTFILE 1 5BBREAT 1ST "14822 OPS HRA.AD\5BBREAT_1H.PLT" 82
PLOTFILE 1 5BLOAD 1ST "14822 OPS HRA.AD\5BLOAD_1H.PLT" 83
PLOTFILE PERIOD 5BLOAD "14822 OPS HRA.AD\5BLOAD_PER.PLT" 84
PLOTFILE PERIOD 5BREF "14822 OPS HRA.AD\5BREF_PER.PLT" 85
PLOTFILE 1 5BREF 1ST "14822 OPS HRA.AD\5BREF_1H.PLT" 86
PLOTFILE 1 5BSPILL 1ST "14822 OPS HRA.AD\5BSPILL_1H.PLT" 87
PLOTFILE PERIOD 5BSPILL "14822 OPS HRA.AD\5BSPILL_PER.PLT" 88
PLOTFILE PERIOD 5CBRE "14822 OPS HRA.AD\5CBRE_PER.PLT" 89
PLOTFILE 1 5CBRE 1ST "14822 OPS HRA.AD\5CBRE_1H.PLT" 90
PLOTFILE 1 5CLOAD 1ST "14822 OPS HRA.AD\5CLOAD_1H.PLT" 91
PLOTFILE PERIOD 5CLOAD "14822 OPS HRA.AD\5CLOAD_PER.PLT" 92
PLOTFILE PERIOD 5CREF "14822 OPS HRA.AD\5CREF_PER.PLT" 93
PLOTFILE 1 5CREF 1ST "14822 OPS HRA.AD\5CREF_1H.PLT" 94
PLOTFILE 1 5CSPILL 1ST "14822 OPS HRA.AD\5CSPILL_1H.PLT" 95
PLOTFILE PERIOD 5CSPILL "14822 OPS HRA.AD\5CSPILL_PER.PLT" 96

PLOTFILE PERIOD 6AIDLE "14822 OPS HRA.AD\6AIDLE_PER.PLT" 97
PLOTFILE 1 6AIDLE 1ST "14822 OPS HRA.AD\6AIDLE_1H.PLT" 98
PLOTFILE 1 6AON 1ST "14822 OPS HRA.AD\6AON_1H.PLT" 99
PLOTFILE PERIOD 6AON "14822 OPS HRA.AD\6AON_PER.PLT" 100
PLOTFILE PERIOD 6BBREAT "14822 OPS HRA.AD\6BBREAT_PER.PLT" 101
PLOTFILE 1 6BBREAT 1ST "14822 OPS HRA.AD\6BBREAT_1H.PLT" 102
PLOTFILE 1 6BLOAD 1ST "14822 OPS HRA.AD\6BLOAD_1H.PLT" 103
PLOTFILE PERIOD 6BLOAD "14822 OPS HRA.AD\6BLOAD_PER.PLT" 104
PLOTFILE PERIOD 6BREF "14822 OPS HRA.AD\6BREF_PER.PLT" 105
PLOTFILE 1 6BREF 1ST "14822 OPS HRA.AD\6BREF_1H.PLT" 106
PLOTFILE 1 6BSPILL 1ST "14822 OPS HRA.AD\6BSPILL_1H.PLT" 107
PLOTFILE PERIOD 6BSPILL "14822 OPS HRA.AD\6BSPILL_PER.PLT" 108
PLOTFILE PERIOD 8BREAT "14822 OPS HRA.AD\8BREAT_PER.PLT" 109
PLOTFILE 1 8BREAT 1ST "14822 OPS HRA.AD\8BREAT_1H.PLT" 110
PLOTFILE 1 8LOAD 1ST "14822 OPS HRA.AD\8LOAD_1H.PLT" 111
PLOTFILE PERIOD 8LOAD "14822 OPS HRA.AD\8LOAD_PER.PLT" 112
PLOTFILE PERIOD 8REF "14822 OPS HRA.AD\8REF_PER.PLT" 113
PLOTFILE 1 8REF 1ST "14822 OPS HRA.AD\8REF_1H.PLT" 114
PLOTFILE 1 8SPILL 1ST "14822 OPS HRA.AD\8SPILL_1H.PLT" 115
PLOTFILE PERIOD 8SPILL "14822 OPS HRA.AD\8SPILL_PER.PLT" 116
SUMMFILE "14822 Ops HRA.sum"

OU FINISHED

**

** Project Parameters

** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM North American Datum 1983
** DTMRGN CONUS
** UNITS m
** ZONE 11
** ZONEINX 0

**

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** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/19/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\14822 Ops HRA\14822 Ops HRA.ADI
**

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*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

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CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops
MODELOPT DFAULT CONC
AVERTIME 1 PERIOD
URBANOPT 2035210 San_Bernardino_County
POLLUTID OTHER
RUNORNOT RUN
ERRORFIL "14822 Ops HRA.err"

```

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CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
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SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----

```

```

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = 2CIDLE
** DESCRSRC 2C Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 447327.637, 3763415.729, 233.12, 3.49, 4.00
** 447327.637, 3763285.645, 232.22, 3.49, 4.00
** -----

```

LOCATION	VOLUME	X Coord.	Y Coord.	Height
L0000119	447327.637	3763411.434	233.11	
L0000120	447327.637	3763402.844	233.08	
L0000121	447327.637	3763394.254	233.04	
L0000122	447327.637	3763385.664	232.99	
L0000123	447327.637	3763377.074	232.93	
L0000124	447327.637	3763368.484	232.88	
L0000125	447327.637	3763359.894	232.80	
L0000126	447327.637	3763351.304	232.71	
L0000127	447327.637	3763342.714	232.63	
L0000128	447327.637	3763334.124	232.55	
L0000129	447327.637	3763325.534	232.52	
L0000130	447327.637	3763316.944	232.49	
L0000131	447327.637	3763308.354	232.45	
L0000132	447327.637	3763299.764	232.40	
L0000133	447327.637	3763291.174	232.35	

```

** End of LINE VOLUME Source ID = 2CIDLE

```

** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = 3CIDLE
** DESCRSRC 3C Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 447353.346, 3763116.330, 231.59, 3.49, 4.00
** 447353.346, 3762985.165, 229.80, 3.49, 4.00
** -----

LOCATION L0000104	VOLUME	447353.346	3763112.035	231.50
LOCATION L0000105	VOLUME	447353.346	3763103.445	231.42
LOCATION L0000106	VOLUME	447353.346	3763094.855	231.33
LOCATION L0000107	VOLUME	447353.346	3763086.265	231.24
LOCATION L0000108	VOLUME	447353.346	3763077.675	231.15
LOCATION L0000109	VOLUME	447353.346	3763069.085	231.07
LOCATION L0000110	VOLUME	447353.346	3763060.495	230.95
LOCATION L0000111	VOLUME	447353.346	3763051.905	230.82
LOCATION L0000112	VOLUME	447353.346	3763043.315	230.70
LOCATION L0000113	VOLUME	447353.346	3763034.725	230.57
LOCATION L0000114	VOLUME	447353.346	3763026.135	230.43
LOCATION L0000115	VOLUME	447353.346	3763017.545	230.30
LOCATION L0000116	VOLUME	447353.346	3763008.955	230.17
LOCATION L0000117	VOLUME	447353.346	3763000.365	230.06
LOCATION L0000118	VOLUME	447353.346	3762991.775	229.98

** End of LINE VOLUME Source ID = 3CIDLE
** -----

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = 5AIDLE
** DESCRSRC 5A Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 447457.778, 3762694.668, 227.01, 3.49, 4.00
** 447457.778, 3762564.555, 225.54, 3.49, 4.00
** -----

LOCATION L0000089	VOLUME	447457.778	3762690.373	226.92
LOCATION L0000090	VOLUME	447457.778	3762681.783	226.83
LOCATION L0000091	VOLUME	447457.778	3762673.193	226.74
LOCATION L0000092	VOLUME	447457.778	3762664.603	226.65
LOCATION L0000093	VOLUME	447457.778	3762656.013	226.57
LOCATION L0000094	VOLUME	447457.778	3762647.423	226.48
LOCATION L0000095	VOLUME	447457.778	3762638.833	226.39
LOCATION L0000096	VOLUME	447457.778	3762630.243	226.30
LOCATION L0000097	VOLUME	447457.778	3762621.653	226.22
LOCATION L0000098	VOLUME	447457.778	3762613.063	226.13
LOCATION L0000099	VOLUME	447457.778	3762604.473	226.05
LOCATION L0000100	VOLUME	447457.778	3762595.883	225.97
LOCATION L0000101	VOLUME	447457.778	3762587.293	225.88
LOCATION L0000102	VOLUME	447457.778	3762578.703	225.80
LOCATION L0000103	VOLUME	447457.778	3762570.113	225.71

** End of LINE VOLUME Source ID = 5AIDLE
** -----

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = 2CON
** DESCRSRC 2C Onsite
** PREFIX
** Length of Side = 8.59

** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 447601.398, 3763477.313, 233.48, 3.49, 4.00
** 447308.150, 3763475.890, 233.48, 3.49, 4.00
** 447308.150, 3763206.842, 231.95, 3.49, 4.00
** 447601.398, 3763208.265, 231.89, 3.49, 4.00

**

LOCATION	L0000134	VOLUME	447597.103	3763477.292	233.48
LOCATION	L0000135	VOLUME	447588.513	3763477.251	233.48
LOCATION	L0000136	VOLUME	447579.923	3763477.209	233.48
LOCATION	L0000137	VOLUME	447571.333	3763477.167	233.48
LOCATION	L0000138	VOLUME	447562.743	3763477.125	233.48
LOCATION	L0000139	VOLUME	447554.153	3763477.084	233.48
LOCATION	L0000140	VOLUME	447545.563	3763477.042	233.48
LOCATION	L0000141	VOLUME	447536.974	3763477.000	233.48
LOCATION	L0000142	VOLUME	447528.384	3763476.959	233.48
LOCATION	L0000143	VOLUME	447519.794	3763476.917	233.48
LOCATION	L0000144	VOLUME	447511.204	3763476.875	233.48
LOCATION	L0000145	VOLUME	447502.614	3763476.834	233.48
LOCATION	L0000146	VOLUME	447494.024	3763476.792	233.48
LOCATION	L0000147	VOLUME	447485.434	3763476.750	233.48
LOCATION	L0000148	VOLUME	447476.844	3763476.709	233.48
LOCATION	L0000149	VOLUME	447468.254	3763476.667	233.48
LOCATION	L0000150	VOLUME	447459.664	3763476.625	233.48
LOCATION	L0000151	VOLUME	447451.075	3763476.583	233.48
LOCATION	L0000152	VOLUME	447442.485	3763476.542	233.48
LOCATION	L0000153	VOLUME	447433.895	3763476.500	233.48
LOCATION	L0000154	VOLUME	447425.305	3763476.458	233.48
LOCATION	L0000155	VOLUME	447416.715	3763476.417	233.48
LOCATION	L0000156	VOLUME	447408.125	3763476.375	233.48
LOCATION	L0000157	VOLUME	447399.535	3763476.333	233.48
LOCATION	L0000158	VOLUME	447390.945	3763476.292	233.48
LOCATION	L0000159	VOLUME	447382.355	3763476.250	233.48
LOCATION	L0000160	VOLUME	447373.766	3763476.208	233.48
LOCATION	L0000161	VOLUME	447365.176	3763476.166	233.48
LOCATION	L0000162	VOLUME	447356.586	3763476.125	233.48
LOCATION	L0000163	VOLUME	447347.996	3763476.083	233.48
LOCATION	L0000164	VOLUME	447339.406	3763476.041	233.48
LOCATION	L0000165	VOLUME	447330.816	3763476.000	233.48
LOCATION	L0000166	VOLUME	447322.226	3763475.958	233.48
LOCATION	L0000167	VOLUME	447313.636	3763475.916	233.48
LOCATION	L0000168	VOLUME	447308.150	3763472.786	233.47
LOCATION	L0000169	VOLUME	447308.150	3763464.196	233.47
LOCATION	L0000170	VOLUME	447308.150	3763455.606	233.46
LOCATION	L0000171	VOLUME	447308.150	3763447.016	233.37
LOCATION	L0000172	VOLUME	447308.150	3763438.426	233.29
LOCATION	L0000173	VOLUME	447308.150	3763429.836	233.21
LOCATION	L0000174	VOLUME	447308.150	3763421.246	233.12
LOCATION	L0000175	VOLUME	447308.150	3763412.656	233.03
LOCATION	L0000176	VOLUME	447308.150	3763404.066	232.95
LOCATION	L0000177	VOLUME	447308.150	3763395.476	232.87
LOCATION	L0000178	VOLUME	447308.150	3763386.886	232.87
LOCATION	L0000179	VOLUME	447308.150	3763378.296	232.87
LOCATION	L0000180	VOLUME	447308.150	3763369.706	232.87
LOCATION	L0000181	VOLUME	447308.150	3763361.116	232.81
LOCATION	L0000182	VOLUME	447308.150	3763352.526	232.73
LOCATION	L0000183	VOLUME	447308.150	3763343.936	232.64
LOCATION	L0000184	VOLUME	447308.150	3763335.346	232.55
LOCATION	L0000185	VOLUME	447308.150	3763326.756	232.47
LOCATION	L0000186	VOLUME	447308.150	3763318.166	232.38
LOCATION	L0000187	VOLUME	447308.150	3763309.576	232.29
LOCATION	L0000188	VOLUME	447308.150	3763300.986	232.26
LOCATION	L0000189	VOLUME	447308.150	3763292.396	232.25

LOCATION	VOLUME			
LOCATION L0000190	VOLUME	447308.150	3763283.806	232.25
LOCATION L0000191	VOLUME	447308.150	3763275.216	232.23
LOCATION L0000192	VOLUME	447308.150	3763266.626	232.15
LOCATION L0000193	VOLUME	447308.150	3763258.036	232.07
LOCATION L0000194	VOLUME	447308.150	3763249.446	231.98
LOCATION L0000195	VOLUME	447308.150	3763240.856	231.95
LOCATION L0000196	VOLUME	447308.150	3763232.266	231.95
LOCATION L0000197	VOLUME	447308.150	3763223.676	231.95
LOCATION L0000198	VOLUME	447308.150	3763215.086	231.95
LOCATION L0000199	VOLUME	447308.495	3763206.843	231.95
LOCATION L0000200	VOLUME	447317.085	3763206.885	231.95
LOCATION L0000201	VOLUME	447325.675	3763206.927	231.95
LOCATION L0000202	VOLUME	447334.265	3763206.968	231.95
LOCATION L0000203	VOLUME	447342.855	3763207.010	231.98
LOCATION L0000204	VOLUME	447351.445	3763207.052	232.04
LOCATION L0000205	VOLUME	447360.035	3763207.094	232.10
LOCATION L0000206	VOLUME	447368.625	3763207.135	232.16
LOCATION L0000207	VOLUME	447377.215	3763207.177	232.16
LOCATION L0000208	VOLUME	447385.804	3763207.219	232.17
LOCATION L0000209	VOLUME	447394.394	3763207.260	232.17
LOCATION L0000210	VOLUME	447402.984	3763207.302	232.17
LOCATION L0000211	VOLUME	447411.574	3763207.344	232.17
LOCATION L0000212	VOLUME	447420.164	3763207.385	232.17
LOCATION L0000213	VOLUME	447428.754	3763207.427	232.17
LOCATION L0000214	VOLUME	447437.344	3763207.469	232.17
LOCATION L0000215	VOLUME	447445.934	3763207.511	232.17
LOCATION L0000216	VOLUME	447454.524	3763207.552	232.17
LOCATION L0000217	VOLUME	447463.114	3763207.594	232.17
LOCATION L0000218	VOLUME	447471.703	3763207.636	232.17
LOCATION L0000219	VOLUME	447480.293	3763207.677	232.17
LOCATION L0000220	VOLUME	447488.883	3763207.719	232.17
LOCATION L0000221	VOLUME	447497.473	3763207.761	232.17
LOCATION L0000222	VOLUME	447506.063	3763207.802	232.17
LOCATION L0000223	VOLUME	447514.653	3763207.844	232.17
LOCATION L0000224	VOLUME	447523.243	3763207.886	232.14
LOCATION L0000225	VOLUME	447531.833	3763207.928	232.08
LOCATION L0000226	VOLUME	447540.423	3763207.969	232.02
LOCATION L0000227	VOLUME	447549.013	3763208.011	231.96
LOCATION L0000228	VOLUME	447557.602	3763208.053	231.95
LOCATION L0000229	VOLUME	447566.192	3763208.094	231.95
LOCATION L0000230	VOLUME	447574.782	3763208.136	231.95
LOCATION L0000231	VOLUME	447583.372	3763208.178	231.94
LOCATION L0000232	VOLUME	447591.962	3763208.219	231.92
LOCATION L0000233	VOLUME	447600.552	3763208.261	231.90

** End of LINE VOLUME Source ID = 2CON

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 3CON

** DESCRSRC 3C Onsite

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 4

** 447602.821, 3763211.112, 231.91, 3.49, 4.00

** 447335.197, 3763205.418, 231.97, 3.49, 4.00

** 447335.197, 3762919.288, 228.90, 3.49, 4.00

** 447568.657, 3762919.288, 228.58, 3.49, 4.00

**

LOCATION L0000234	VOLUME	447598.527	3763211.021	231.92
LOCATION L0000235	VOLUME	447589.939	3763210.838	231.93
LOCATION L0000236	VOLUME	447581.351	3763210.655	231.95
LOCATION L0000237	VOLUME	447572.763	3763210.473	231.95
LOCATION L0000238	VOLUME	447564.175	3763210.290	231.95

LOCATION	L0000239	VOLUME	447555.587	3763210.107	231.95
LOCATION	L0000240	VOLUME	447546.999	3763209.925	231.97
LOCATION	L0000241	VOLUME	447538.411	3763209.742	232.04
LOCATION	L0000242	VOLUME	447529.823	3763209.559	232.11
LOCATION	L0000243	VOLUME	447521.235	3763209.376	232.17
LOCATION	L0000244	VOLUME	447512.647	3763209.194	232.19
LOCATION	L0000245	VOLUME	447504.059	3763209.011	232.18
LOCATION	L0000246	VOLUME	447495.471	3763208.828	232.18
LOCATION	L0000247	VOLUME	447486.883	3763208.645	232.18
LOCATION	L0000248	VOLUME	447478.295	3763208.463	232.18
LOCATION	L0000249	VOLUME	447469.706	3763208.280	232.18
LOCATION	L0000250	VOLUME	447461.118	3763208.097	232.17
LOCATION	L0000251	VOLUME	447452.530	3763207.915	232.17
LOCATION	L0000252	VOLUME	447443.942	3763207.732	232.17
LOCATION	L0000253	VOLUME	447435.354	3763207.549	232.17
LOCATION	L0000254	VOLUME	447426.766	3763207.366	232.17
LOCATION	L0000255	VOLUME	447418.178	3763207.184	232.16
LOCATION	L0000256	VOLUME	447409.590	3763207.001	232.16
LOCATION	L0000257	VOLUME	447401.002	3763206.818	232.16
LOCATION	L0000258	VOLUME	447392.414	3763206.636	232.16
LOCATION	L0000259	VOLUME	447383.826	3763206.453	232.16
LOCATION	L0000260	VOLUME	447375.238	3763206.270	232.16
LOCATION	L0000261	VOLUME	447366.650	3763206.087	232.14
LOCATION	L0000262	VOLUME	447358.062	3763205.905	232.08
LOCATION	L0000263	VOLUME	447349.474	3763205.722	232.02
LOCATION	L0000264	VOLUME	447340.886	3763205.539	231.96
LOCATION	L0000265	VOLUME	447335.197	3763202.518	231.95
LOCATION	L0000266	VOLUME	447335.197	3763193.928	231.95
LOCATION	L0000267	VOLUME	447335.197	3763185.338	231.95
LOCATION	L0000268	VOLUME	447335.197	3763176.748	231.95
LOCATION	L0000269	VOLUME	447335.197	3763168.158	231.95
LOCATION	L0000270	VOLUME	447335.197	3763159.568	231.95
LOCATION	L0000271	VOLUME	447335.197	3763150.978	231.90
LOCATION	L0000272	VOLUME	447335.197	3763142.388	231.81
LOCATION	L0000273	VOLUME	447335.197	3763133.798	231.72
LOCATION	L0000274	VOLUME	447335.197	3763125.208	231.64
LOCATION	L0000275	VOLUME	447335.197	3763116.618	231.55
LOCATION	L0000276	VOLUME	447335.197	3763108.028	231.46
LOCATION	L0000277	VOLUME	447335.197	3763099.438	231.38
LOCATION	L0000278	VOLUME	447335.197	3763090.848	231.29
LOCATION	L0000279	VOLUME	447335.197	3763082.258	231.20
LOCATION	L0000280	VOLUME	447335.197	3763073.668	231.11
LOCATION	L0000281	VOLUME	447335.197	3763065.078	231.02
LOCATION	L0000282	VOLUME	447335.197	3763056.488	230.92
LOCATION	L0000283	VOLUME	447335.197	3763047.898	230.82
LOCATION	L0000284	VOLUME	447335.197	3763039.308	230.73
LOCATION	L0000285	VOLUME	447335.197	3763030.718	230.59
LOCATION	L0000286	VOLUME	447335.197	3763022.128	230.42
LOCATION	L0000287	VOLUME	447335.197	3763013.538	230.26
LOCATION	L0000288	VOLUME	447335.197	3763004.948	230.11
LOCATION	L0000289	VOLUME	447335.197	3762996.358	230.02
LOCATION	L0000290	VOLUME	447335.197	3762987.768	229.94
LOCATION	L0000291	VOLUME	447335.197	3762979.178	229.85
LOCATION	L0000292	VOLUME	447335.197	3762970.588	229.76
LOCATION	L0000293	VOLUME	447335.197	3762961.998	229.67
LOCATION	L0000294	VOLUME	447335.197	3762953.408	229.59
LOCATION	L0000295	VOLUME	447335.197	3762944.818	229.48
LOCATION	L0000296	VOLUME	447335.197	3762936.228	229.31
LOCATION	L0000297	VOLUME	447335.197	3762927.638	229.14
LOCATION	L0000298	VOLUME	447335.437	3762919.288	228.97
LOCATION	L0000299	VOLUME	447344.027	3762919.288	228.97
LOCATION	L0000300	VOLUME	447352.617	3762919.288	228.97
LOCATION	L0000301	VOLUME	447361.207	3762919.288	228.97
LOCATION	L0000302	VOLUME	447369.797	3762919.288	228.96
LOCATION	L0000303	VOLUME	447378.387	3762919.288	228.96
LOCATION	L0000304	VOLUME	447386.977	3762919.288	228.95

LOCATION	VOLUME				
L0000305	447395.567	3762919.288	228.94		
L0000306	447404.157	3762919.288	228.94		
L0000307	447412.747	3762919.288	228.94		
L0000308	447421.337	3762919.288	228.94		
L0000309	447429.927	3762919.288	228.94		
L0000310	447438.517	3762919.288	228.94		
L0000311	447447.107	3762919.288	228.94		
L0000312	447455.697	3762919.288	228.94		
L0000313	447464.287	3762919.288	228.89		
L0000314	447472.877	3762919.288	228.81		
L0000315	447481.467	3762919.288	228.73		
L0000316	447490.057	3762919.288	228.66		
L0000317	447498.647	3762919.288	228.65		
L0000318	447507.237	3762919.288	228.64		
L0000319	447515.827	3762919.288	228.63		
L0000320	447524.417	3762919.288	228.63		
L0000321	447533.007	3762919.288	228.63		
L0000322	447541.597	3762919.288	228.63		
L0000323	447550.187	3762919.288	228.63		
L0000324	447558.777	3762919.288	228.63		
L0000325	447567.367	3762919.288	228.63		

** End of LINE VOLUME Source ID = 3CON

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 5AON

** DESCRSRC 5A Onsite

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 3

** 447426.303, 3762423.898, 224.14, 3.49, 4.00

** 447424.880, 3762768.393, 227.68, 3.49, 4.00

** 447562.962, 3762768.393, 227.36, 3.49, 4.00

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L0000326	447426.285	3762428.193	224.17		
L0000327	447426.250	3762436.783	224.34		
L0000328	447426.214	3762445.373	224.42		
L0000329	447426.179	3762453.963	224.51		
L0000330	447426.143	3762462.553	224.60		
L0000331	447426.108	3762471.143	224.69		
L0000332	447426.072	3762479.732	224.79		
L0000333	447426.037	3762488.322	224.89		
L0000334	447426.001	3762496.912	224.99		
L0000335	447425.966	3762505.502	225.15		
L0000336	447425.930	3762514.092	225.32		
L0000337	447425.895	3762522.682	225.48		
L0000338	447425.859	3762531.272	225.60		
L0000339	447425.824	3762539.862	225.69		
L0000340	447425.788	3762548.452	225.78		
L0000341	447425.753	3762557.042	225.86		
L0000342	447425.717	3762565.632	225.95		
L0000343	447425.682	3762574.222	226.04		
L0000344	447425.646	3762582.812	226.13		
L0000345	447425.611	3762591.402	226.17		
L0000346	447425.575	3762599.991	226.18		
L0000347	447425.540	3762608.581	226.19		
L0000348	447425.504	3762617.171	226.21		
L0000349	447425.469	3762625.761	226.30		
L0000350	447425.433	3762634.351	226.39		
L0000351	447425.398	3762642.941	226.47		
L0000352	447425.363	3762651.531	226.56		
L0000353	447425.327	3762660.121	226.65		
L0000354	447425.292	3762668.711	226.74		

LOCATION	VOLUME				
LOCATION L0000355	VOLUME	447425.256	3762677.301	226.83	
LOCATION L0000356	VOLUME	447425.221	3762685.891	227.01	
LOCATION L0000357	VOLUME	447425.185	3762694.481	227.18	
LOCATION L0000358	VOLUME	447425.150	3762703.071	227.36	
LOCATION L0000359	VOLUME	447425.114	3762711.660	227.43	
LOCATION L0000360	VOLUME	447425.079	3762720.250	227.45	
LOCATION L0000361	VOLUME	447425.043	3762728.840	227.46	
LOCATION L0000362	VOLUME	447425.008	3762737.430	227.48	
LOCATION L0000363	VOLUME	447424.972	3762746.020	227.56	
LOCATION L0000364	VOLUME	447424.937	3762754.610	227.63	
LOCATION L0000365	VOLUME	447424.901	3762763.200	227.70	
LOCATION L0000366	VOLUME	447428.276	3762768.393	227.72	
LOCATION L0000367	VOLUME	447436.866	3762768.393	227.63	
LOCATION L0000368	VOLUME	447445.456	3762768.393	227.54	
LOCATION L0000369	VOLUME	447454.046	3762768.393	227.46	
LOCATION L0000370	VOLUME	447462.636	3762768.393	227.40	
LOCATION L0000371	VOLUME	447471.226	3762768.393	227.40	
LOCATION L0000372	VOLUME	447479.816	3762768.393	227.40	
LOCATION L0000373	VOLUME	447488.406	3762768.393	227.40	
LOCATION L0000374	VOLUME	447496.996	3762768.393	227.40	
LOCATION L0000375	VOLUME	447505.586	3762768.393	227.40	
LOCATION L0000376	VOLUME	447514.176	3762768.393	227.40	
LOCATION L0000377	VOLUME	447522.766	3762768.393	227.40	
LOCATION L0000378	VOLUME	447531.356	3762768.393	227.40	
LOCATION L0000379	VOLUME	447539.946	3762768.393	227.40	
LOCATION L0000380	VOLUME	447548.536	3762768.393	227.40	
LOCATION L0000381	VOLUME	447557.126	3762768.393	227.40	

** End of LINE VOLUME Source ID = 5AON

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 6AIDLE

** DESCRSRC 6A Idle

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 447921.693, 3762711.452, 227.36, 3.49, 4.00

** 448222.059, 3762712.875, 226.23, 3.49, 4.00

**

LOCATION L0000382	VOLUME	447925.988	3762711.472	227.43	
LOCATION L0000383	VOLUME	447934.578	3762711.513	227.43	
LOCATION L0000384	VOLUME	447943.168	3762711.554	227.44	
LOCATION L0000385	VOLUME	447951.758	3762711.594	227.46	
LOCATION L0000386	VOLUME	447960.348	3762711.635	227.47	
LOCATION L0000387	VOLUME	447968.937	3762711.676	227.49	
LOCATION L0000388	VOLUME	447977.527	3762711.716	227.49	
LOCATION L0000389	VOLUME	447986.117	3762711.757	227.49	
LOCATION L0000390	VOLUME	447994.707	3762711.798	227.49	
LOCATION L0000391	VOLUME	448003.297	3762711.839	227.49	
LOCATION L0000392	VOLUME	448011.887	3762711.879	227.47	
LOCATION L0000393	VOLUME	448020.477	3762711.920	227.45	
LOCATION L0000394	VOLUME	448029.067	3762711.961	227.44	
LOCATION L0000395	VOLUME	448037.657	3762712.001	227.37	
LOCATION L0000396	VOLUME	448046.247	3762712.042	227.30	
LOCATION L0000397	VOLUME	448054.836	3762712.083	227.23	
LOCATION L0000398	VOLUME	448063.426	3762712.124	227.19	
LOCATION L0000399	VOLUME	448072.016	3762712.164	227.17	
LOCATION L0000400	VOLUME	448080.606	3762712.205	227.15	
LOCATION L0000401	VOLUME	448089.196	3762712.246	227.14	
LOCATION L0000402	VOLUME	448097.786	3762712.286	227.07	
LOCATION L0000403	VOLUME	448106.376	3762712.327	227.00	
LOCATION L0000404	VOLUME	448114.966	3762712.368	226.93	
LOCATION L0000405	VOLUME	448123.556	3762712.409	226.89	

LOCATION	VOLUME				
LOCATION L0000406	VOLUME	448132.146	3762712.449	226.87	
LOCATION L0000407	VOLUME	448140.736	3762712.490	226.85	
LOCATION L0000408	VOLUME	448149.325	3762712.531	226.83	
LOCATION L0000409	VOLUME	448157.915	3762712.571	226.77	
LOCATION L0000410	VOLUME	448166.505	3762712.612	226.70	
LOCATION L0000411	VOLUME	448175.095	3762712.653	226.63	
LOCATION L0000412	VOLUME	448183.685	3762712.693	226.56	
LOCATION L0000413	VOLUME	448192.275	3762712.734	226.49	
LOCATION L0000414	VOLUME	448200.865	3762712.775	226.43	
LOCATION L0000415	VOLUME	448209.455	3762712.816	226.36	
LOCATION L0000416	VOLUME	448218.045	3762712.856	226.43	

** End of LINE VOLUME Source ID = 6AIDLE

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 6AON

** DESCRSRC 6A Onsite

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 447594.273, 3762768.393, 227.36, 3.49, 4.00

** 448397.155, 3762754.158, 228.61, 3.49, 4.00

** -----

LOCATION L0000417	VOLUME	447598.567	3762768.317	227.40	
LOCATION L0000418	VOLUME	447607.156	3762768.165	227.40	
LOCATION L0000419	VOLUME	447615.745	3762768.013	227.39	
LOCATION L0000420	VOLUME	447624.333	3762767.861	227.39	
LOCATION L0000421	VOLUME	447632.922	3762767.708	227.38	
LOCATION L0000422	VOLUME	447641.511	3762767.556	227.36	
LOCATION L0000423	VOLUME	447650.099	3762767.404	227.28	
LOCATION L0000424	VOLUME	447658.688	3762767.251	227.19	
LOCATION L0000425	VOLUME	447667.277	3762767.099	227.11	
LOCATION L0000426	VOLUME	447675.865	3762766.947	227.08	
LOCATION L0000427	VOLUME	447684.454	3762766.795	227.08	
LOCATION L0000428	VOLUME	447693.043	3762766.642	227.08	
LOCATION L0000429	VOLUME	447701.631	3762766.490	227.08	
LOCATION L0000430	VOLUME	447710.220	3762766.338	227.08	
LOCATION L0000431	VOLUME	447718.808	3762766.185	227.08	
LOCATION L0000432	VOLUME	447727.397	3762766.033	227.08	
LOCATION L0000433	VOLUME	447735.986	3762765.881	227.14	
LOCATION L0000434	VOLUME	447744.574	3762765.729	227.23	
LOCATION L0000435	VOLUME	447753.163	3762765.576	227.31	
LOCATION L0000436	VOLUME	447761.752	3762765.424	227.37	
LOCATION L0000437	VOLUME	447770.340	3762765.272	227.37	
LOCATION L0000438	VOLUME	447778.929	3762765.119	227.37	
LOCATION L0000439	VOLUME	447787.518	3762764.967	227.37	
LOCATION L0000440	VOLUME	447796.106	3762764.815	227.37	
LOCATION L0000441	VOLUME	447804.695	3762764.663	227.37	
LOCATION L0000442	VOLUME	447813.284	3762764.510	227.38	
LOCATION L0000443	VOLUME	447821.872	3762764.358	227.40	
LOCATION L0000444	VOLUME	447830.461	3762764.206	227.48	
LOCATION L0000445	VOLUME	447839.050	3762764.053	227.57	
LOCATION L0000446	VOLUME	447847.638	3762763.901	227.64	
LOCATION L0000447	VOLUME	447856.227	3762763.749	227.72	
LOCATION L0000448	VOLUME	447864.816	3762763.597	227.80	
LOCATION L0000449	VOLUME	447873.404	3762763.444	227.88	
LOCATION L0000450	VOLUME	447881.993	3762763.292	227.93	
LOCATION L0000451	VOLUME	447890.581	3762763.140	227.94	
LOCATION L0000452	VOLUME	447899.170	3762762.988	227.95	
LOCATION L0000453	VOLUME	447907.759	3762762.835	227.95	
LOCATION L0000454	VOLUME	447916.347	3762762.683	228.02	
LOCATION L0000455	VOLUME	447924.936	3762762.531	228.09	
LOCATION L0000456	VOLUME	447933.525	3762762.378	228.16	

LOCATION	VOLUME				
LOCATION L0000457	VOLUME	447942.113	3762762.226	228.22	
LOCATION L0000458	VOLUME	447950.702	3762762.074	228.23	
LOCATION L0000459	VOLUME	447959.291	3762761.922	228.24	
LOCATION L0000460	VOLUME	447967.879	3762761.769	228.25	
LOCATION L0000461	VOLUME	447976.468	3762761.617	228.25	
LOCATION L0000462	VOLUME	447985.057	3762761.465	228.25	
LOCATION L0000463	VOLUME	447993.645	3762761.312	228.24	
LOCATION L0000464	VOLUME	448002.234	3762761.160	228.24	
LOCATION L0000465	VOLUME	448010.823	3762761.008	228.22	
LOCATION L0000466	VOLUME	448019.411	3762760.856	228.20	
LOCATION L0000467	VOLUME	448028.000	3762760.703	228.18	
LOCATION L0000468	VOLUME	448036.589	3762760.551	228.12	
LOCATION L0000469	VOLUME	448045.177	3762760.399	228.05	
LOCATION L0000470	VOLUME	448053.766	3762760.246	227.97	
LOCATION L0000471	VOLUME	448062.354	3762760.094	227.92	
LOCATION L0000472	VOLUME	448070.943	3762759.942	227.90	
LOCATION L0000473	VOLUME	448079.532	3762759.790	227.88	
LOCATION L0000474	VOLUME	448088.120	3762759.637	227.86	
LOCATION L0000475	VOLUME	448096.709	3762759.485	227.79	
LOCATION L0000476	VOLUME	448105.298	3762759.333	227.72	
LOCATION L0000477	VOLUME	448113.886	3762759.180	227.66	
LOCATION L0000478	VOLUME	448122.475	3762759.028	227.60	
LOCATION L0000479	VOLUME	448131.064	3762758.876	227.58	
LOCATION L0000480	VOLUME	448139.652	3762758.724	227.56	
LOCATION L0000481	VOLUME	448148.241	3762758.571	227.53	
LOCATION L0000482	VOLUME	448156.830	3762758.419	227.47	
LOCATION L0000483	VOLUME	448165.418	3762758.267	227.40	
LOCATION L0000484	VOLUME	448174.007	3762758.115	227.34	
LOCATION L0000485	VOLUME	448182.596	3762757.962	227.30	
LOCATION L0000486	VOLUME	448191.184	3762757.810	227.29	
LOCATION L0000487	VOLUME	448199.773	3762757.658	227.29	
LOCATION L0000488	VOLUME	448208.362	3762757.505	227.29	
LOCATION L0000489	VOLUME	448216.950	3762757.353	227.29	
LOCATION L0000490	VOLUME	448225.539	3762757.201	227.29	
LOCATION L0000491	VOLUME	448234.127	3762757.049	227.29	
LOCATION L0000492	VOLUME	448242.716	3762756.896	227.31	
LOCATION L0000493	VOLUME	448251.305	3762756.744	227.37	
LOCATION L0000494	VOLUME	448259.893	3762756.592	227.42	
LOCATION L0000495	VOLUME	448268.482	3762756.439	227.48	
LOCATION L0000496	VOLUME	448277.071	3762756.287	227.51	
LOCATION L0000497	VOLUME	448285.659	3762756.135	227.53	
LOCATION L0000498	VOLUME	448294.248	3762755.983	227.56	
LOCATION L0000499	VOLUME	448302.837	3762755.830	227.59	
LOCATION L0000500	VOLUME	448311.425	3762755.678	227.62	
LOCATION L0000501	VOLUME	448320.014	3762755.526	227.65	
LOCATION L0000502	VOLUME	448328.603	3762755.373	227.68	
LOCATION L0000503	VOLUME	448337.191	3762755.221	227.76	
LOCATION L0000504	VOLUME	448345.780	3762755.069	227.85	
LOCATION L0000505	VOLUME	448354.369	3762754.917	227.94	
LOCATION L0000506	VOLUME	448362.957	3762754.764	228.06	
LOCATION L0000507	VOLUME	448371.546	3762754.612	228.24	
LOCATION L0000508	VOLUME	448380.135	3762754.460	228.41	
LOCATION L0000509	VOLUME	448388.723	3762754.308	228.59	

** End of LINE VOLUME Source ID = 6AON

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 1MC100

** DESCRSRC 2C,3C,5A Mill Creek 100%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 9

** 447618.590, 3763480.383, 233.48, 3.49, 4.00

** 447618.590, 3763210.448, 231.87, 3.49, 4.00
** 447616.620, 3763109.961, 231.18, 3.49, 4.00
** 447573.272, 3762914.898, 228.59, 3.49, 4.00
** 447569.332, 3762841.996, 227.99, 3.49, 4.00
** 447575.243, 3762769.094, 227.37, 3.49, 4.00
** 447614.649, 3762522.802, 224.62, 3.49, 4.00
** 447624.501, 3762499.158, 224.31, 3.49, 4.00
** 447618.590, 3762424.286, 223.64, 3.49, 4.00

**

LOCATION L0000510 VOLUME 447618.590 3763476.088 233.48
LOCATION L0000511 VOLUME 447618.590 3763467.498 233.48
LOCATION L0000512 VOLUME 447618.590 3763458.908 233.48
LOCATION L0000513 VOLUME 447618.590 3763450.318 233.42
LOCATION L0000514 VOLUME 447618.590 3763441.728 233.33
LOCATION L0000515 VOLUME 447618.590 3763433.138 233.24
LOCATION L0000516 VOLUME 447618.590 3763424.548 233.17
LOCATION L0000517 VOLUME 447618.590 3763415.958 233.14
LOCATION L0000518 VOLUME 447618.590 3763407.368 233.11
LOCATION L0000519 VOLUME 447618.590 3763398.778 233.09
LOCATION L0000520 VOLUME 447618.590 3763390.188 233.04
LOCATION L0000521 VOLUME 447618.590 3763381.598 232.98
LOCATION L0000522 VOLUME 447618.590 3763373.008 232.91
LOCATION L0000523 VOLUME 447618.590 3763364.418 232.85
LOCATION L0000524 VOLUME 447618.590 3763355.828 232.76
LOCATION L0000525 VOLUME 447618.590 3763347.238 232.67
LOCATION L0000526 VOLUME 447618.590 3763338.648 232.59
LOCATION L0000527 VOLUME 447618.590 3763330.058 232.54
LOCATION L0000528 VOLUME 447618.590 3763321.468 232.52
LOCATION L0000529 VOLUME 447618.590 3763312.878 232.49
LOCATION L0000530 VOLUME 447618.590 3763304.288 232.45
LOCATION L0000531 VOLUME 447618.590 3763295.698 232.36
LOCATION L0000532 VOLUME 447618.590 3763287.108 232.27
LOCATION L0000533 VOLUME 447618.590 3763278.518 232.19
LOCATION L0000534 VOLUME 447618.590 3763269.928 232.12
LOCATION L0000535 VOLUME 447618.590 3763261.338 232.06
LOCATION L0000536 VOLUME 447618.590 3763252.748 232.00
LOCATION L0000537 VOLUME 447618.590 3763244.158 231.95
LOCATION L0000538 VOLUME 447618.590 3763235.568 231.92
LOCATION L0000539 VOLUME 447618.590 3763226.978 231.89
LOCATION L0000540 VOLUME 447618.590 3763218.388 231.87
LOCATION L0000541 VOLUME 447618.577 3763209.798 231.81
LOCATION L0000542 VOLUME 447618.409 3763201.210 231.75
LOCATION L0000543 VOLUME 447618.241 3763192.622 231.69
LOCATION L0000544 VOLUME 447618.072 3763184.033 231.64
LOCATION L0000545 VOLUME 447617.904 3763175.445 231.62
LOCATION L0000546 VOLUME 447617.735 3763166.857 231.59
LOCATION L0000547 VOLUME 447617.567 3763158.268 231.57
LOCATION L0000548 VOLUME 447617.399 3763149.680 231.50
LOCATION L0000549 VOLUME 447617.230 3763141.092 231.41
LOCATION L0000550 VOLUME 447617.062 3763132.503 231.33
LOCATION L0000551 VOLUME 447616.893 3763123.915 231.24
LOCATION L0000552 VOLUME 447616.725 3763115.326 231.16
LOCATION L0000553 VOLUME 447615.920 3763106.814 231.08
LOCATION L0000554 VOLUME 447614.057 3763098.429 231.01
LOCATION L0000555 VOLUME 447612.194 3763090.043 230.89
LOCATION L0000556 VOLUME 447610.330 3763081.658 230.74
LOCATION L0000557 VOLUME 447608.467 3763073.272 230.58
LOCATION L0000558 VOLUME 447606.603 3763064.887 230.44
LOCATION L0000559 VOLUME 447604.740 3763056.502 230.38
LOCATION L0000560 VOLUME 447602.876 3763048.116 230.31
LOCATION L0000561 VOLUME 447601.013 3763039.731 230.24
LOCATION L0000562 VOLUME 447599.150 3763031.345 230.16
LOCATION L0000563 VOLUME 447597.286 3763022.960 230.06
LOCATION L0000564 VOLUME 447595.423 3763014.574 229.94
LOCATION L0000565 VOLUME 447593.559 3763006.189 229.82
LOCATION L0000566 VOLUME 447591.696 3762997.803 229.70

LOCATION	L0000567	VOLUME	447589.832	3762989.418	229.59
LOCATION	L0000568	VOLUME	447587.969	3762981.033	229.49
LOCATION	L0000569	VOLUME	447586.106	3762972.647	229.38
LOCATION	L0000570	VOLUME	447584.242	3762964.262	229.24
LOCATION	L0000571	VOLUME	447582.379	3762955.876	229.09
LOCATION	L0000572	VOLUME	447580.515	3762947.491	228.93
LOCATION	L0000573	VOLUME	447578.652	3762939.105	228.83
LOCATION	L0000574	VOLUME	447576.788	3762930.720	228.75
LOCATION	L0000575	VOLUME	447574.925	3762922.334	228.66
LOCATION	L0000576	VOLUME	447573.220	3762913.927	228.58
LOCATION	L0000577	VOLUME	447572.756	3762905.350	228.49
LOCATION	L0000578	VOLUME	447572.293	3762896.772	228.40
LOCATION	L0000579	VOLUME	447571.829	3762888.195	228.31
LOCATION	L0000580	VOLUME	447571.365	3762879.617	228.23
LOCATION	L0000581	VOLUME	447570.902	3762871.040	228.14
LOCATION	L0000582	VOLUME	447570.438	3762862.462	228.05
LOCATION	L0000583	VOLUME	447569.974	3762853.885	227.99
LOCATION	L0000584	VOLUME	447569.511	3762845.307	227.99
LOCATION	L0000585	VOLUME	447569.758	3762836.739	227.99
LOCATION	L0000586	VOLUME	447570.452	3762828.178	227.99
LOCATION	L0000587	VOLUME	447571.146	3762819.616	227.92
LOCATION	L0000588	VOLUME	447571.841	3762811.054	227.84
LOCATION	L0000589	VOLUME	447572.535	3762802.492	227.75
LOCATION	L0000590	VOLUME	447573.229	3762793.930	227.66
LOCATION	L0000591	VOLUME	447573.923	3762785.368	227.57
LOCATION	L0000592	VOLUME	447574.617	3762776.806	227.49
LOCATION	L0000593	VOLUME	447575.377	3762768.252	227.40
LOCATION	L0000594	VOLUME	447576.735	3762759.770	227.31
LOCATION	L0000595	VOLUME	447578.092	3762751.288	227.23
LOCATION	L0000596	VOLUME	447579.449	3762742.806	227.14
LOCATION	L0000597	VOLUME	447580.806	3762734.324	227.06
LOCATION	L0000598	VOLUME	447582.163	3762725.842	226.97
LOCATION	L0000599	VOLUME	447583.520	3762717.359	226.88
LOCATION	L0000600	VOLUME	447584.877	3762708.877	226.80
LOCATION	L0000601	VOLUME	447586.234	3762700.395	226.65
LOCATION	L0000602	VOLUME	447587.592	3762691.913	226.48
LOCATION	L0000603	VOLUME	447588.949	3762683.431	226.31
LOCATION	L0000604	VOLUME	447590.306	3762674.949	226.15
LOCATION	L0000605	VOLUME	447591.663	3762666.467	226.06
LOCATION	L0000606	VOLUME	447593.020	3762657.985	225.98
LOCATION	L0000607	VOLUME	447594.377	3762649.503	225.89
LOCATION	L0000608	VOLUME	447595.734	3762641.020	225.80
LOCATION	L0000609	VOLUME	447597.092	3762632.538	225.72
LOCATION	L0000610	VOLUME	447598.449	3762624.056	225.63
LOCATION	L0000611	VOLUME	447599.806	3762615.574	225.54
LOCATION	L0000612	VOLUME	447601.163	3762607.092	225.46
LOCATION	L0000613	VOLUME	447602.520	3762598.610	225.37
LOCATION	L0000614	VOLUME	447603.877	3762590.128	225.29
LOCATION	L0000615	VOLUME	447605.234	3762581.646	225.20
LOCATION	L0000616	VOLUME	447606.592	3762573.164	225.11
LOCATION	L0000617	VOLUME	447607.949	3762564.681	225.03
LOCATION	L0000618	VOLUME	447609.306	3762556.199	224.94
LOCATION	L0000619	VOLUME	447610.663	3762547.717	224.86
LOCATION	L0000620	VOLUME	447612.020	3762539.235	224.77
LOCATION	L0000621	VOLUME	447613.377	3762530.753	224.68
LOCATION	L0000622	VOLUME	447614.856	3762522.305	224.60
LOCATION	L0000623	VOLUME	447618.160	3762514.376	224.52
LOCATION	L0000624	VOLUME	447621.464	3762506.447	224.44
LOCATION	L0000625	VOLUME	447624.446	3762498.467	224.35
LOCATION	L0000626	VOLUME	447623.770	3762489.903	224.27
LOCATION	L0000627	VOLUME	447623.094	3762481.340	224.18
LOCATION	L0000628	VOLUME	447622.418	3762472.777	224.09
LOCATION	L0000629	VOLUME	447621.742	3762464.213	224.01
LOCATION	L0000630	VOLUME	447621.066	3762455.650	223.92
LOCATION	L0000631	VOLUME	447620.390	3762447.086	223.83
LOCATION	L0000632	VOLUME	447619.714	3762438.523	223.75

LOCATION L0000633 VOLUME 447619.038 3762429.960 223.68
 ** End of LINE VOLUME Source ID = 1MC100
 ** -----
 ** Line Source Represented by Adjacent Volume Sources
 ** LINE VOLUME Source ID = 1OR15
 ** DESCRSRC 2C,3C,5A Ontario Ranch 15%
 ** PREFIX
 ** Length of Side = 14.00
 ** Configuration = Adjacent
 ** Emission Rate = 1.0
 ** Vertical Dimension = 6.99
 ** SZINIT = 3.25
 ** Nodes = 11
 ** 447622.561, 3762407.296, 223.49, 3.49, 6.51
 ** 446777.841, 3762397.098, 222.80, 3.49, 6.51
 ** 446686.061, 3762376.703, 222.82, 3.49, 6.51
 ** 446578.984, 3762332.512, 223.53, 3.49, 6.51
 ** 446422.617, 3762227.135, 223.00, 3.49, 6.51
 ** 446228.858, 3762087.764, 221.00, 3.49, 6.51
 ** 446150.675, 3762043.574, 220.18, 3.49, 6.51
 ** 446108.184, 3762028.277, 219.83, 3.49, 6.51
 ** 446045.297, 3762011.281, 218.03, 3.49, 6.51
 ** 445887.231, 3761999.383, 216.92, 3.49, 6.51
 ** 444459.246, 3762015.599, 215.00, 3.49, 6.51
 ** -----

LOCATION L0000634	VOLUME	447615.562	3762407.212	223.49
LOCATION L0000635	VOLUME	447601.563	3762407.043	223.43
LOCATION L0000636	VOLUME	447587.564	3762406.874	223.42
LOCATION L0000637	VOLUME	447573.565	3762406.705	223.42
LOCATION L0000638	VOLUME	447559.566	3762406.536	223.42
LOCATION L0000639	VOLUME	447545.567	3762406.367	223.42
LOCATION L0000640	VOLUME	447531.568	3762406.198	223.42
LOCATION L0000641	VOLUME	447517.569	3762406.029	223.43
LOCATION L0000642	VOLUME	447503.570	3762405.860	223.57
LOCATION L0000643	VOLUME	447489.571	3762405.691	223.71
LOCATION L0000644	VOLUME	447475.572	3762405.522	223.71
LOCATION L0000645	VOLUME	447461.573	3762405.353	223.70
LOCATION L0000646	VOLUME	447447.574	3762405.184	223.70
LOCATION L0000647	VOLUME	447433.575	3762405.015	223.71
LOCATION L0000648	VOLUME	447419.576	3762404.846	223.71
LOCATION L0000649	VOLUME	447405.577	3762404.677	223.71
LOCATION L0000650	VOLUME	447391.578	3762404.508	223.70
LOCATION L0000651	VOLUME	447377.579	3762404.339	223.70
LOCATION L0000652	VOLUME	447363.580	3762404.170	223.70
LOCATION L0000653	VOLUME	447349.581	3762404.001	223.70
LOCATION L0000654	VOLUME	447335.582	3762403.832	223.70
LOCATION L0000655	VOLUME	447321.583	3762403.663	223.70
LOCATION L0000656	VOLUME	447307.584	3762403.494	223.69
LOCATION L0000657	VOLUME	447293.585	3762403.325	223.69
LOCATION L0000658	VOLUME	447279.586	3762403.156	223.69
LOCATION L0000659	VOLUME	447265.587	3762402.987	223.69
LOCATION L0000660	VOLUME	447251.588	3762402.818	223.69
LOCATION L0000661	VOLUME	447237.589	3762402.649	223.67
LOCATION L0000662	VOLUME	447223.590	3762402.480	223.65
LOCATION L0000663	VOLUME	447209.591	3762402.311	223.56
LOCATION L0000664	VOLUME	447195.592	3762402.142	223.43
LOCATION L0000665	VOLUME	447181.593	3762401.973	223.37
LOCATION L0000666	VOLUME	447167.594	3762401.804	223.37
LOCATION L0000667	VOLUME	447153.595	3762401.635	223.31
LOCATION L0000668	VOLUME	447139.596	3762401.466	223.17
LOCATION L0000669	VOLUME	447125.597	3762401.297	223.06
LOCATION L0000670	VOLUME	447111.598	3762401.128	223.03
LOCATION L0000671	VOLUME	447097.599	3762400.959	222.97
LOCATION L0000672	VOLUME	447083.600	3762400.790	222.71
LOCATION L0000673	VOLUME	447069.601	3762400.621	222.45
LOCATION L0000674	VOLUME	447055.602	3762400.452	222.42

LOCATION	L0000675	VOLUME	447041.603	3762400.283	222.39
LOCATION	L0000676	VOLUME	447027.604	3762400.114	222.38
LOCATION	L0000677	VOLUME	447013.606	3762399.945	222.37
LOCATION	L0000678	VOLUME	446999.607	3762399.776	222.47
LOCATION	L0000679	VOLUME	446985.608	3762399.607	222.61
LOCATION	L0000680	VOLUME	446971.609	3762399.438	222.77
LOCATION	L0000681	VOLUME	446957.610	3762399.269	222.94
LOCATION	L0000682	VOLUME	446943.611	3762399.100	223.04
LOCATION	L0000683	VOLUME	446929.612	3762398.931	223.04
LOCATION	L0000684	VOLUME	446915.613	3762398.762	223.08
LOCATION	L0000685	VOLUME	446901.614	3762398.593	223.22
LOCATION	L0000686	VOLUME	446887.615	3762398.424	223.34
LOCATION	L0000687	VOLUME	446873.616	3762398.255	223.34
LOCATION	L0000688	VOLUME	446859.617	3762398.086	223.33
LOCATION	L0000689	VOLUME	446845.618	3762397.917	223.33
LOCATION	L0000690	VOLUME	446831.619	3762397.748	223.33
LOCATION	L0000691	VOLUME	446817.620	3762397.579	223.21
LOCATION	L0000692	VOLUME	446803.621	3762397.410	223.07
LOCATION	L0000693	VOLUME	446789.622	3762397.241	222.92
LOCATION	L0000694	VOLUME	446775.623	3762396.617	222.77
LOCATION	L0000695	VOLUME	446762.009	3762393.580	222.68
LOCATION	L0000696	VOLUME	446748.342	3762390.543	222.65
LOCATION	L0000697	VOLUME	446734.676	3762387.506	222.67
LOCATION	L0000698	VOLUME	446721.009	3762384.469	222.77
LOCATION	L0000699	VOLUME	446707.342	3762381.432	222.86
LOCATION	L0000700	VOLUME	446693.676	3762378.395	222.83
LOCATION	L0000701	VOLUME	446680.330	3762374.338	222.81
LOCATION	L0000702	VOLUME	446667.389	3762368.997	222.90
LOCATION	L0000703	VOLUME	446654.448	3762363.656	222.96
LOCATION	L0000704	VOLUME	446641.507	3762358.315	223.01
LOCATION	L0000705	VOLUME	446628.565	3762352.974	223.09
LOCATION	L0000706	VOLUME	446615.624	3762347.634	223.16
LOCATION	L0000707	VOLUME	446602.683	3762342.293	223.26
LOCATION	L0000708	VOLUME	446589.742	3762336.952	223.32
LOCATION	L0000709	VOLUME	446577.025	3762331.192	223.39
LOCATION	L0000710	VOLUME	446565.415	3762323.368	223.43
LOCATION	L0000711	VOLUME	446553.806	3762315.544	223.48
LOCATION	L0000712	VOLUME	446542.196	3762307.720	223.00
LOCATION	L0000713	VOLUME	446530.586	3762299.896	223.00
LOCATION	L0000714	VOLUME	446518.976	3762292.073	223.00
LOCATION	L0000715	VOLUME	446507.367	3762284.249	223.00
LOCATION	L0000716	VOLUME	446495.757	3762276.425	223.00
LOCATION	L0000717	VOLUME	446484.147	3762268.601	223.00
LOCATION	L0000718	VOLUME	446472.538	3762260.777	223.00
LOCATION	L0000719	VOLUME	446460.928	3762252.953	222.92
LOCATION	L0000720	VOLUME	446449.318	3762245.129	222.88
LOCATION	L0000721	VOLUME	446437.708	3762237.305	223.00
LOCATION	L0000722	VOLUME	446426.099	3762229.481	223.00
LOCATION	L0000723	VOLUME	446414.660	3762221.411	222.97
LOCATION	L0000724	VOLUME	446403.295	3762213.236	223.00
LOCATION	L0000725	VOLUME	446391.930	3762205.061	223.00
LOCATION	L0000726	VOLUME	446380.564	3762196.886	223.00
LOCATION	L0000727	VOLUME	446369.199	3762188.711	223.00
LOCATION	L0000728	VOLUME	446357.834	3762180.536	223.00
LOCATION	L0000729	VOLUME	446346.468	3762172.361	222.92
LOCATION	L0000730	VOLUME	446335.103	3762164.186	222.49
LOCATION	L0000731	VOLUME	446323.738	3762156.011	222.09
LOCATION	L0000732	VOLUME	446312.373	3762147.836	222.00
LOCATION	L0000733	VOLUME	446301.007	3762139.661	222.00
LOCATION	L0000734	VOLUME	446289.642	3762131.486	222.00
LOCATION	L0000735	VOLUME	446278.277	3762123.311	221.84
LOCATION	L0000736	VOLUME	446266.912	3762115.136	221.47
LOCATION	L0000737	VOLUME	446255.546	3762106.961	221.02
LOCATION	L0000738	VOLUME	446244.181	3762098.786	221.00
LOCATION	L0000739	VOLUME	446232.816	3762090.611	221.00
LOCATION	L0000740	VOLUME	446220.914	3762083.274	220.93

LOCATION	L0000741	VOLUME	446208.727	3762076.386	221.00
LOCATION	L0000742	VOLUME	446196.539	3762069.497	220.93
LOCATION	L0000743	VOLUME	446184.351	3762062.608	220.73
LOCATION	L0000744	VOLUME	446172.163	3762055.719	220.71
LOCATION	L0000745	VOLUME	446159.975	3762048.830	220.60
LOCATION	L0000746	VOLUME	446147.554	3762042.450	220.24
LOCATION	L0000747	VOLUME	446134.381	3762037.708	219.88
LOCATION	L0000748	VOLUME	446121.209	3762032.966	219.66
LOCATION	L0000749	VOLUME	446108.033	3762028.236	219.57
LOCATION	L0000750	VOLUME	446094.518	3762024.583	219.36
LOCATION	L0000751	VOLUME	446081.003	3762020.931	219.04
LOCATION	L0000752	VOLUME	446067.488	3762017.278	218.60
LOCATION	L0000753	VOLUME	446053.972	3762013.625	218.15
LOCATION	L0000754	VOLUME	446040.298	3762010.904	217.95
LOCATION	L0000755	VOLUME	446026.337	3762009.854	217.83
LOCATION	L0000756	VOLUME	446012.377	3762008.803	217.75
LOCATION	L0000757	VOLUME	445998.416	3762007.752	217.72
LOCATION	L0000758	VOLUME	445984.456	3762006.701	217.57
LOCATION	L0000759	VOLUME	445970.495	3762005.650	217.24
LOCATION	L0000760	VOLUME	445956.535	3762004.600	217.00
LOCATION	L0000761	VOLUME	445942.574	3762003.549	217.00
LOCATION	L0000762	VOLUME	445928.614	3762002.498	217.00
LOCATION	L0000763	VOLUME	445914.653	3762001.447	217.00
LOCATION	L0000764	VOLUME	445900.693	3762000.396	217.00
LOCATION	L0000765	VOLUME	445886.731	3761999.389	217.00
LOCATION	L0000766	VOLUME	445872.732	3761999.548	217.00
LOCATION	L0000767	VOLUME	445858.733	3761999.707	217.00
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LOCATION	L0000769	VOLUME	445830.734	3762000.025	217.00
LOCATION	L0000770	VOLUME	445816.735	3762000.184	217.00
LOCATION	L0000771	VOLUME	445802.736	3762000.343	217.00
LOCATION	L0000772	VOLUME	445788.737	3762000.502	217.00
LOCATION	L0000773	VOLUME	445774.738	3762000.661	217.00
LOCATION	L0000774	VOLUME	445760.739	3762000.820	217.00
LOCATION	L0000775	VOLUME	445746.740	3762000.979	217.00
LOCATION	L0000776	VOLUME	445732.741	3762001.137	217.00
LOCATION	L0000777	VOLUME	445718.742	3762001.296	216.99
LOCATION	L0000778	VOLUME	445704.743	3762001.455	216.76
LOCATION	L0000779	VOLUME	445690.743	3762001.614	216.53
LOCATION	L0000780	VOLUME	445676.744	3762001.773	216.52
LOCATION	L0000781	VOLUME	445662.745	3762001.932	216.52
LOCATION	L0000782	VOLUME	445648.746	3762002.091	216.34
LOCATION	L0000783	VOLUME	445634.747	3762002.250	216.09
LOCATION	L0000784	VOLUME	445620.748	3762002.409	216.00
LOCATION	L0000785	VOLUME	445606.749	3762002.568	216.00
LOCATION	L0000786	VOLUME	445592.750	3762002.727	216.00
LOCATION	L0000787	VOLUME	445578.751	3762002.886	216.00
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LOCATION	L0000789	VOLUME	445550.753	3762003.204	215.73
LOCATION	L0000790	VOLUME	445536.753	3762003.363	215.57
LOCATION	L0000791	VOLUME	445522.754	3762003.522	215.57
LOCATION	L0000792	VOLUME	445508.755	3762003.681	215.58
LOCATION	L0000793	VOLUME	445494.756	3762003.840	215.58
LOCATION	L0000794	VOLUME	445480.757	3762003.999	215.59
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LOCATION	L0000801	VOLUME	445382.763	3762005.112	215.63
LOCATION	L0000802	VOLUME	445368.764	3762005.271	215.63
LOCATION	L0000803	VOLUME	445354.765	3762005.430	215.64
LOCATION	L0000804	VOLUME	445340.766	3762005.589	215.64
LOCATION	L0000805	VOLUME	445326.767	3762005.748	215.65
LOCATION	L0000806	VOLUME	445312.768	3762005.907	215.65

LOCATION L0000807	VOLUME	445298.769	3762006.066	215.66
LOCATION L0000808	VOLUME	445284.770	3762006.225	215.66
LOCATION L0000809	VOLUME	445270.771	3762006.383	215.67
LOCATION L0000810	VOLUME	445256.771	3762006.542	215.67
LOCATION L0000811	VOLUME	445242.772	3762006.701	215.68
LOCATION L0000812	VOLUME	445228.773	3762006.860	215.69
LOCATION L0000813	VOLUME	445214.774	3762007.019	215.69
LOCATION L0000814	VOLUME	445200.775	3762007.178	215.70
LOCATION L0000815	VOLUME	445186.776	3762007.337	215.70
LOCATION L0000816	VOLUME	445172.777	3762007.496	215.71
LOCATION L0000817	VOLUME	445158.778	3762007.655	215.71
LOCATION L0000818	VOLUME	445144.779	3762007.814	215.72
LOCATION L0000819	VOLUME	445130.780	3762007.973	215.72
LOCATION L0000820	VOLUME	445116.780	3762008.132	215.73
LOCATION L0000821	VOLUME	445102.781	3762008.291	215.73
LOCATION L0000822	VOLUME	445088.782	3762008.450	215.72
LOCATION L0000823	VOLUME	445074.783	3762008.609	215.38
LOCATION L0000824	VOLUME	445060.784	3762008.768	215.03
LOCATION L0000825	VOLUME	445046.785	3762008.927	215.00
LOCATION L0000826	VOLUME	445032.786	3762009.086	215.00
LOCATION L0000827	VOLUME	445018.787	3762009.245	215.00
LOCATION L0000828	VOLUME	445004.788	3762009.404	215.00
LOCATION L0000829	VOLUME	444990.789	3762009.563	215.00
LOCATION L0000830	VOLUME	444976.790	3762009.722	215.00
LOCATION L0000831	VOLUME	444962.790	3762009.881	215.00
LOCATION L0000832	VOLUME	444948.791	3762010.040	215.00
LOCATION L0000833	VOLUME	444934.792	3762010.199	215.00
LOCATION L0000834	VOLUME	444920.793	3762010.358	215.00
LOCATION L0000835	VOLUME	444906.794	3762010.517	215.00
LOCATION L0000836	VOLUME	444892.795	3762010.676	215.00
LOCATION L0000837	VOLUME	444878.796	3762010.835	215.00
LOCATION L0000838	VOLUME	444864.797	3762010.994	215.00
LOCATION L0000839	VOLUME	444850.798	3762011.153	215.00
LOCATION L0000840	VOLUME	444836.799	3762011.312	215.00
LOCATION L0000841	VOLUME	444822.799	3762011.470	215.00
LOCATION L0000842	VOLUME	444808.800	3762011.629	215.00
LOCATION L0000843	VOLUME	444794.801	3762011.788	215.00
LOCATION L0000844	VOLUME	444780.802	3762011.947	214.96
LOCATION L0000845	VOLUME	444766.803	3762012.106	214.89
LOCATION L0000846	VOLUME	444752.804	3762012.265	214.68
LOCATION L0000847	VOLUME	444738.805	3762012.424	214.27
LOCATION L0000848	VOLUME	444724.806	3762012.583	214.00
LOCATION L0000849	VOLUME	444710.807	3762012.742	214.00
LOCATION L0000850	VOLUME	444696.808	3762012.901	214.00
LOCATION L0000851	VOLUME	444682.808	3762013.060	214.00
LOCATION L0000852	VOLUME	444668.809	3762013.219	214.00
LOCATION L0000853	VOLUME	444654.810	3762013.378	213.95
LOCATION L0000854	VOLUME	444640.811	3762013.537	213.91
LOCATION L0000855	VOLUME	444626.812	3762013.696	213.91
LOCATION L0000856	VOLUME	444612.813	3762013.855	213.92
LOCATION L0000857	VOLUME	444598.814	3762014.014	213.95
LOCATION L0000858	VOLUME	444584.815	3762014.173	213.99
LOCATION L0000859	VOLUME	444570.816	3762014.332	214.27
LOCATION L0000860	VOLUME	444556.817	3762014.491	214.71
LOCATION L0000861	VOLUME	444542.817	3762014.650	214.96
LOCATION L0000862	VOLUME	444528.818	3762014.809	214.98
LOCATION L0000863	VOLUME	444514.819	3762014.968	215.00
LOCATION L0000864	VOLUME	444500.820	3762015.127	215.00
LOCATION L0000865	VOLUME	444486.821	3762015.286	215.00
LOCATION L0000866	VOLUME	444472.822	3762015.445	215.00

** End of LINE VOLUME Source ID = 1OR15

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 2OR15

** DESCRSRC 6A Ontario Ranch 15%

** PREFIX

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** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 11
** 447622.561, 3762407.296, 223.49, 3.49, 6.51
** 446777.841, 3762397.098, 222.80, 3.49, 6.51
** 446686.061, 3762376.703, 222.82, 3.49, 6.51
** 446578.984, 3762332.512, 223.53, 3.49, 6.51
** 446422.617, 3762227.135, 223.00, 3.49, 6.51
** 446228.858, 3762087.764, 221.00, 3.49, 6.51
** 446150.675, 3762043.574, 220.18, 3.49, 6.51
** 446108.184, 3762028.277, 219.83, 3.49, 6.51
** 446045.297, 3762011.281, 218.03, 3.49, 6.51
** 445887.231, 3761999.383, 216.92, 3.49, 6.51
** 444459.246, 3762015.599, 215.00, 3.49, 6.51

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LOCATION L0001178      VOLUME  447615.562 3762407.212 223.49
LOCATION L0001179      VOLUME  447601.563 3762407.043 223.43
LOCATION L0001180      VOLUME  447587.564 3762406.874 223.42
LOCATION L0001181      VOLUME  447573.565 3762406.705 223.42
LOCATION L0001182      VOLUME  447559.566 3762406.536 223.42
LOCATION L0001183      VOLUME  447545.567 3762406.367 223.42
LOCATION L0001184      VOLUME  447531.568 3762406.198 223.42
LOCATION L0001185      VOLUME  447517.569 3762406.029 223.43
LOCATION L0001186      VOLUME  447503.570 3762405.860 223.57
LOCATION L0001187      VOLUME  447489.571 3762405.691 223.71
LOCATION L0001188      VOLUME  447475.572 3762405.522 223.71
LOCATION L0001189      VOLUME  447461.573 3762405.353 223.70
LOCATION L0001190      VOLUME  447447.574 3762405.184 223.70
LOCATION L0001191      VOLUME  447433.575 3762405.015 223.71
LOCATION L0001192      VOLUME  447419.576 3762404.846 223.71
LOCATION L0001193      VOLUME  447405.577 3762404.677 223.71
LOCATION L0001194      VOLUME  447391.578 3762404.508 223.70
LOCATION L0001195      VOLUME  447377.579 3762404.339 223.70
LOCATION L0001196      VOLUME  447363.580 3762404.170 223.70
LOCATION L0001197      VOLUME  447349.581 3762404.001 223.70
LOCATION L0001198      VOLUME  447335.582 3762403.832 223.70
LOCATION L0001199      VOLUME  447321.583 3762403.663 223.70
LOCATION L0001200      VOLUME  447307.584 3762403.494 223.69
LOCATION L0001201      VOLUME  447293.585 3762403.325 223.69
LOCATION L0001202      VOLUME  447279.586 3762403.156 223.69
LOCATION L0001203      VOLUME  447265.587 3762402.987 223.69
LOCATION L0001204      VOLUME  447251.588 3762402.818 223.69
LOCATION L0001205      VOLUME  447237.589 3762402.649 223.67
LOCATION L0001206      VOLUME  447223.590 3762402.480 223.65
LOCATION L0001207      VOLUME  447209.591 3762402.311 223.56
LOCATION L0001208      VOLUME  447195.592 3762402.142 223.43
LOCATION L0001209      VOLUME  447181.593 3762401.973 223.37
LOCATION L0001210      VOLUME  447167.594 3762401.804 223.37
LOCATION L0001211      VOLUME  447153.595 3762401.635 223.31
LOCATION L0001212      VOLUME  447139.596 3762401.466 223.17
LOCATION L0001213      VOLUME  447125.597 3762401.297 223.06
LOCATION L0001214      VOLUME  447111.598 3762401.128 223.03
LOCATION L0001215      VOLUME  447097.599 3762400.959 222.97
LOCATION L0001216      VOLUME  447083.600 3762400.790 222.71
LOCATION L0001217      VOLUME  447069.601 3762400.621 222.45
LOCATION L0001218      VOLUME  447055.602 3762400.452 222.42
LOCATION L0001219      VOLUME  447041.603 3762400.283 222.39
LOCATION L0001220      VOLUME  447027.604 3762400.114 222.38
LOCATION L0001221      VOLUME  447013.606 3762399.945 222.37
LOCATION L0001222      VOLUME  446999.607 3762399.776 222.47
LOCATION L0001223      VOLUME  446985.608 3762399.607 222.61
LOCATION L0001224      VOLUME  446971.609 3762399.438 222.77
LOCATION L0001225      VOLUME  446957.610 3762399.269 222.94

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LOCATION	L0001226	VOLUME	446943.611	3762399.100	223.04
LOCATION	L0001227	VOLUME	446929.612	3762398.931	223.04
LOCATION	L0001228	VOLUME	446915.613	3762398.762	223.08
LOCATION	L0001229	VOLUME	446901.614	3762398.593	223.22
LOCATION	L0001230	VOLUME	446887.615	3762398.424	223.34
LOCATION	L0001231	VOLUME	446873.616	3762398.255	223.34
LOCATION	L0001232	VOLUME	446859.617	3762398.086	223.33
LOCATION	L0001233	VOLUME	446845.618	3762397.917	223.33
LOCATION	L0001234	VOLUME	446831.619	3762397.748	223.33
LOCATION	L0001235	VOLUME	446817.620	3762397.579	223.21
LOCATION	L0001236	VOLUME	446803.621	3762397.410	223.07
LOCATION	L0001237	VOLUME	446789.622	3762397.241	222.92
LOCATION	L0001238	VOLUME	446775.676	3762396.617	222.77
LOCATION	L0001239	VOLUME	446762.009	3762393.580	222.68
LOCATION	L0001240	VOLUME	446748.342	3762390.543	222.65
LOCATION	L0001241	VOLUME	446734.676	3762387.506	222.67
LOCATION	L0001242	VOLUME	446721.009	3762384.469	222.77
LOCATION	L0001243	VOLUME	446707.342	3762381.432	222.86
LOCATION	L0001244	VOLUME	446693.676	3762378.395	222.83
LOCATION	L0001245	VOLUME	446680.330	3762374.338	222.81
LOCATION	L0001246	VOLUME	446667.389	3762368.997	222.90
LOCATION	L0001247	VOLUME	446654.448	3762363.656	222.96
LOCATION	L0001248	VOLUME	446641.507	3762358.315	223.01
LOCATION	L0001249	VOLUME	446628.565	3762352.974	223.09
LOCATION	L0001250	VOLUME	446615.624	3762347.634	223.16
LOCATION	L0001251	VOLUME	446602.683	3762342.293	223.26
LOCATION	L0001252	VOLUME	446589.742	3762336.952	223.32
LOCATION	L0001253	VOLUME	446577.025	3762331.192	223.39
LOCATION	L0001254	VOLUME	446565.415	3762323.368	223.43
LOCATION	L0001255	VOLUME	446553.806	3762315.544	223.48
LOCATION	L0001256	VOLUME	446542.196	3762307.720	223.00
LOCATION	L0001257	VOLUME	446530.586	3762299.896	223.00
LOCATION	L0001258	VOLUME	446518.976	3762292.073	223.00
LOCATION	L0001259	VOLUME	446507.367	3762284.249	223.00
LOCATION	L0001260	VOLUME	446495.757	3762276.425	223.00
LOCATION	L0001261	VOLUME	446484.147	3762268.601	223.00
LOCATION	L0001262	VOLUME	446472.538	3762260.777	223.00
LOCATION	L0001263	VOLUME	446460.928	3762252.953	222.92
LOCATION	L0001264	VOLUME	446449.318	3762245.129	222.88
LOCATION	L0001265	VOLUME	446437.708	3762237.305	223.00
LOCATION	L0001266	VOLUME	446426.099	3762229.481	223.00
LOCATION	L0001267	VOLUME	446414.660	3762221.411	222.97
LOCATION	L0001268	VOLUME	446403.295	3762213.236	223.00
LOCATION	L0001269	VOLUME	446391.930	3762205.061	223.00
LOCATION	L0001270	VOLUME	446380.564	3762196.886	223.00
LOCATION	L0001271	VOLUME	446369.199	3762188.711	223.00
LOCATION	L0001272	VOLUME	446357.834	3762180.536	223.00
LOCATION	L0001273	VOLUME	446346.468	3762172.361	222.92
LOCATION	L0001274	VOLUME	446335.103	3762164.186	222.49
LOCATION	L0001275	VOLUME	446323.738	3762156.011	222.09
LOCATION	L0001276	VOLUME	446312.373	3762147.836	222.00
LOCATION	L0001277	VOLUME	446301.007	3762139.661	222.00
LOCATION	L0001278	VOLUME	446289.642	3762131.486	222.00
LOCATION	L0001279	VOLUME	446278.277	3762123.311	221.84
LOCATION	L0001280	VOLUME	446266.912	3762115.136	221.47
LOCATION	L0001281	VOLUME	446255.546	3762106.961	221.02
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LOCATION	L0001283	VOLUME	446232.816	3762090.611	221.00
LOCATION	L0001284	VOLUME	446220.914	3762083.274	220.93
LOCATION	L0001285	VOLUME	446208.727	3762076.386	221.00
LOCATION	L0001286	VOLUME	446196.539	3762069.497	220.93
LOCATION	L0001287	VOLUME	446184.351	3762062.608	220.73
LOCATION	L0001288	VOLUME	446172.163	3762055.719	220.71
LOCATION	L0001289	VOLUME	446159.975	3762048.830	220.60
LOCATION	L0001290	VOLUME	446147.554	3762042.450	220.24
LOCATION	L0001291	VOLUME	446134.381	3762037.708	219.88

LOCATION	L0001292	VOLUME	446121.209	3762032.966	219.66
LOCATION	L0001293	VOLUME	446108.033	3762028.236	219.57
LOCATION	L0001294	VOLUME	446094.518	3762024.583	219.36
LOCATION	L0001295	VOLUME	446081.003	3762020.931	219.04
LOCATION	L0001296	VOLUME	446067.488	3762017.278	218.60
LOCATION	L0001297	VOLUME	446053.972	3762013.625	218.15
LOCATION	L0001298	VOLUME	446040.298	3762010.904	217.95
LOCATION	L0001299	VOLUME	446026.337	3762009.854	217.83
LOCATION	L0001300	VOLUME	446012.377	3762008.803	217.75
LOCATION	L0001301	VOLUME	445998.416	3762007.752	217.72
LOCATION	L0001302	VOLUME	445984.456	3762006.701	217.57
LOCATION	L0001303	VOLUME	445970.495	3762005.650	217.24
LOCATION	L0001304	VOLUME	445956.535	3762004.600	217.00
LOCATION	L0001305	VOLUME	445942.574	3762003.549	217.00
LOCATION	L0001306	VOLUME	445928.614	3762002.498	217.00
LOCATION	L0001307	VOLUME	445914.653	3762001.447	217.00
LOCATION	L0001308	VOLUME	445900.693	3762000.396	217.00
LOCATION	L0001309	VOLUME	445886.731	3761999.389	217.00
LOCATION	L0001310	VOLUME	445872.732	3761999.548	217.00
LOCATION	L0001311	VOLUME	445858.733	3761999.707	217.00
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LOCATION	L0001314	VOLUME	445816.735	3762000.184	217.00
LOCATION	L0001315	VOLUME	445802.736	3762000.343	217.00
LOCATION	L0001316	VOLUME	445788.737	3762000.502	217.00
LOCATION	L0001317	VOLUME	445774.738	3762000.661	217.00
LOCATION	L0001318	VOLUME	445760.739	3762000.820	217.00
LOCATION	L0001319	VOLUME	445746.740	3762000.979	217.00
LOCATION	L0001320	VOLUME	445732.741	3762001.137	217.00
LOCATION	L0001321	VOLUME	445718.742	3762001.296	216.99
LOCATION	L0001322	VOLUME	445704.743	3762001.455	216.76
LOCATION	L0001323	VOLUME	445690.743	3762001.614	216.53
LOCATION	L0001324	VOLUME	445676.744	3762001.773	216.52
LOCATION	L0001325	VOLUME	445662.745	3762001.932	216.52
LOCATION	L0001326	VOLUME	445648.746	3762002.091	216.34
LOCATION	L0001327	VOLUME	445634.747	3762002.250	216.09
LOCATION	L0001328	VOLUME	445620.748	3762002.409	216.00
LOCATION	L0001329	VOLUME	445606.749	3762002.568	216.00
LOCATION	L0001330	VOLUME	445592.750	3762002.727	216.00
LOCATION	L0001331	VOLUME	445578.751	3762002.886	216.00
LOCATION	L0001332	VOLUME	445564.752	3762003.045	215.93
LOCATION	L0001333	VOLUME	445550.753	3762003.204	215.73
LOCATION	L0001334	VOLUME	445536.753	3762003.363	215.57
LOCATION	L0001335	VOLUME	445522.754	3762003.522	215.57
LOCATION	L0001336	VOLUME	445508.755	3762003.681	215.58
LOCATION	L0001337	VOLUME	445494.756	3762003.840	215.58
LOCATION	L0001338	VOLUME	445480.757	3762003.999	215.59
LOCATION	L0001339	VOLUME	445466.758	3762004.158	215.60
LOCATION	L0001340	VOLUME	445452.759	3762004.317	215.60
LOCATION	L0001341	VOLUME	445438.760	3762004.476	215.61
LOCATION	L0001342	VOLUME	445424.761	3762004.635	215.61
LOCATION	L0001343	VOLUME	445410.762	3762004.794	215.62
LOCATION	L0001344	VOLUME	445396.762	3762004.953	215.62
LOCATION	L0001345	VOLUME	445382.763	3762005.112	215.63
LOCATION	L0001346	VOLUME	445368.764	3762005.271	215.63
LOCATION	L0001347	VOLUME	445354.765	3762005.430	215.64
LOCATION	L0001348	VOLUME	445340.766	3762005.589	215.64
LOCATION	L0001349	VOLUME	445326.767	3762005.748	215.65
LOCATION	L0001350	VOLUME	445312.768	3762005.907	215.65
LOCATION	L0001351	VOLUME	445298.769	3762006.066	215.66
LOCATION	L0001352	VOLUME	445284.770	3762006.225	215.66
LOCATION	L0001353	VOLUME	445270.771	3762006.383	215.67
LOCATION	L0001354	VOLUME	445256.771	3762006.542	215.67
LOCATION	L0001355	VOLUME	445242.772	3762006.701	215.68
LOCATION	L0001356	VOLUME	445228.773	3762006.860	215.69
LOCATION	L0001357	VOLUME	445214.774	3762007.019	215.69

LOCATION L0001358	VOLUME	445200.775	3762007.178	215.70
LOCATION L0001359	VOLUME	445186.776	3762007.337	215.70
LOCATION L0001360	VOLUME	445172.777	3762007.496	215.71
LOCATION L0001361	VOLUME	445158.778	3762007.655	215.71
LOCATION L0001362	VOLUME	445144.779	3762007.814	215.72
LOCATION L0001363	VOLUME	445130.780	3762007.973	215.72
LOCATION L0001364	VOLUME	445116.780	3762008.132	215.73
LOCATION L0001365	VOLUME	445102.781	3762008.291	215.73
LOCATION L0001366	VOLUME	445088.782	3762008.450	215.72
LOCATION L0001367	VOLUME	445074.783	3762008.609	215.38
LOCATION L0001368	VOLUME	445060.784	3762008.768	215.03
LOCATION L0001369	VOLUME	445046.785	3762008.927	215.00
LOCATION L0001370	VOLUME	445032.786	3762009.086	215.00
LOCATION L0001371	VOLUME	445018.787	3762009.245	215.00
LOCATION L0001372	VOLUME	445004.788	3762009.404	215.00
LOCATION L0001373	VOLUME	444990.789	3762009.563	215.00
LOCATION L0001374	VOLUME	444976.790	3762009.722	215.00
LOCATION L0001375	VOLUME	444962.790	3762009.881	215.00
LOCATION L0001376	VOLUME	444948.791	3762010.040	215.00
LOCATION L0001377	VOLUME	444934.792	3762010.199	215.00
LOCATION L0001378	VOLUME	444920.793	3762010.358	215.00
LOCATION L0001379	VOLUME	444906.794	3762010.517	215.00
LOCATION L0001380	VOLUME	444892.795	3762010.676	215.00
LOCATION L0001381	VOLUME	444878.796	3762010.835	215.00
LOCATION L0001382	VOLUME	444864.797	3762010.994	215.00
LOCATION L0001383	VOLUME	444850.798	3762011.153	215.00
LOCATION L0001384	VOLUME	444836.799	3762011.312	215.00
LOCATION L0001385	VOLUME	444822.799	3762011.470	215.00
LOCATION L0001386	VOLUME	444808.800	3762011.629	215.00
LOCATION L0001387	VOLUME	444794.801	3762011.788	215.00
LOCATION L0001388	VOLUME	444780.802	3762011.947	214.96
LOCATION L0001389	VOLUME	444766.803	3762012.106	214.89
LOCATION L0001390	VOLUME	444752.804	3762012.265	214.68
LOCATION L0001391	VOLUME	444738.805	3762012.424	214.27
LOCATION L0001392	VOLUME	444724.806	3762012.583	214.00
LOCATION L0001393	VOLUME	444710.807	3762012.742	214.00
LOCATION L0001394	VOLUME	444696.808	3762012.901	214.00
LOCATION L0001395	VOLUME	444682.808	3762013.060	214.00
LOCATION L0001396	VOLUME	444668.809	3762013.219	214.00
LOCATION L0001397	VOLUME	444654.810	3762013.378	213.95
LOCATION L0001398	VOLUME	444640.811	3762013.537	213.91
LOCATION L0001399	VOLUME	444626.812	3762013.696	213.91
LOCATION L0001400	VOLUME	444612.813	3762013.855	213.92
LOCATION L0001401	VOLUME	444598.814	3762014.014	213.95
LOCATION L0001402	VOLUME	444584.815	3762014.173	213.99
LOCATION L0001403	VOLUME	444570.816	3762014.332	214.27
LOCATION L0001404	VOLUME	444556.817	3762014.491	214.71
LOCATION L0001405	VOLUME	444542.817	3762014.650	214.96
LOCATION L0001406	VOLUME	444528.818	3762014.809	214.98
LOCATION L0001407	VOLUME	444514.819	3762014.968	215.00
LOCATION L0001408	VOLUME	444500.820	3762015.127	215.00
LOCATION L0001409	VOLUME	444486.821	3762015.286	215.00
LOCATION L0001410	VOLUME	444472.822	3762015.445	215.00

** End of LINE VOLUME Source ID = 2OR15

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 1OR85

** DESCRSRC 2C,3C,5A Ontario Ranch 85%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 447626.176, 3762406.098, 223.56, 3.49, 6.51

** 448430.981, 3762391.013, 225.14, 3.49, 6.51

**

LOCATION L0000867 VOLUME 447633.175 3762405.966 223.66
LOCATION L0000868 VOLUME 447647.173 3762405.704 223.72
LOCATION L0000869 VOLUME 447661.170 3762405.442 223.71
LOCATION L0000870 VOLUME 447675.168 3762405.179 223.77
LOCATION L0000871 VOLUME 447689.165 3762404.917 223.91
LOCATION L0000872 VOLUME 447703.163 3762404.655 224.01
LOCATION L0000873 VOLUME 447717.160 3762404.392 224.01
LOCATION L0000874 VOLUME 447731.158 3762404.130 224.02
LOCATION L0000875 VOLUME 447745.155 3762403.868 224.16
LOCATION L0000876 VOLUME 447759.153 3762403.605 224.30
LOCATION L0000877 VOLUME 447773.150 3762403.343 224.30
LOCATION L0000878 VOLUME 447787.148 3762403.080 224.30
LOCATION L0000879 VOLUME 447801.145 3762402.818 224.42
LOCATION L0000880 VOLUME 447815.143 3762402.556 224.56
LOCATION L0000881 VOLUME 447829.141 3762402.293 224.60
LOCATION L0000882 VOLUME 447843.138 3762402.031 224.59
LOCATION L0000883 VOLUME 447857.136 3762401.769 224.67
LOCATION L0000884 VOLUME 447871.133 3762401.506 224.81
LOCATION L0000885 VOLUME 447885.131 3762401.244 224.95
LOCATION L0000886 VOLUME 447899.128 3762400.982 225.09
LOCATION L0000887 VOLUME 447913.126 3762400.719 225.22
LOCATION L0000888 VOLUME 447927.123 3762400.457 225.33
LOCATION L0000889 VOLUME 447941.121 3762400.195 225.43
LOCATION L0000890 VOLUME 447955.118 3762399.932 225.49
LOCATION L0000891 VOLUME 447969.116 3762399.670 225.55
LOCATION L0000892 VOLUME 447983.114 3762399.407 225.55
LOCATION L0000893 VOLUME 447997.111 3762399.145 225.55
LOCATION L0000894 VOLUME 448011.109 3762398.883 225.55
LOCATION L0000895 VOLUME 448025.106 3762398.620 225.55
LOCATION L0000896 VOLUME 448039.104 3762398.358 225.50
LOCATION L0000897 VOLUME 448053.101 3762398.096 225.42
LOCATION L0000898 VOLUME 448067.099 3762397.833 225.27
LOCATION L0000899 VOLUME 448081.096 3762397.571 225.06
LOCATION L0000900 VOLUME 448095.094 3762397.309 224.93
LOCATION L0000901 VOLUME 448109.091 3762397.046 224.88
LOCATION L0000902 VOLUME 448123.089 3762396.784 224.85
LOCATION L0000903 VOLUME 448137.086 3762396.522 224.84
LOCATION L0000904 VOLUME 448151.084 3762396.259 224.85
LOCATION L0000905 VOLUME 448165.082 3762395.997 224.89
LOCATION L0000906 VOLUME 448179.079 3762395.734 224.94
LOCATION L0000907 VOLUME 448193.077 3762395.472 225.03
LOCATION L0000908 VOLUME 448207.074 3762395.210 225.12
LOCATION L0000909 VOLUME 448221.072 3762394.947 225.25
LOCATION L0000910 VOLUME 448235.069 3762394.685 225.39
LOCATION L0000911 VOLUME 448249.067 3762394.423 225.43
LOCATION L0000912 VOLUME 448263.064 3762394.160 225.43
LOCATION L0000913 VOLUME 448277.062 3762393.898 225.46
LOCATION L0000914 VOLUME 448291.059 3762393.636 225.52
LOCATION L0000915 VOLUME 448305.057 3762393.373 225.55
LOCATION L0000916 VOLUME 448319.054 3762393.111 225.55
LOCATION L0000917 VOLUME 448333.052 3762392.849 225.54
LOCATION L0000918 VOLUME 448347.050 3762392.586 225.47
LOCATION L0000919 VOLUME 448361.047 3762392.324 225.40
LOCATION L0000920 VOLUME 448375.045 3762392.061 225.32
LOCATION L0000921 VOLUME 448389.042 3762391.799 225.25
LOCATION L0000922 VOLUME 448403.040 3762391.537 225.18
LOCATION L0000923 VOLUME 448417.037 3762391.274 225.11

** End of LINE VOLUME Source ID = 10R85

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 20R30

** DESCRSRC 6A Ontario Ranch 30%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 447626.176, 3762406.098, 223.56, 3.49, 6.51
** 448430.981, 3762391.013, 225.14, 3.49, 6.51

LOCATION	L0001701	VOLUME	447633.175	3762405.966	223.66
LOCATION	L0001702	VOLUME	447647.173	3762405.704	223.72
LOCATION	L0001703	VOLUME	447661.170	3762405.442	223.71
LOCATION	L0001704	VOLUME	447675.168	3762405.179	223.77
LOCATION	L0001705	VOLUME	447689.165	3762404.917	223.91
LOCATION	L0001706	VOLUME	447703.163	3762404.655	224.01
LOCATION	L0001707	VOLUME	447717.160	3762404.392	224.01
LOCATION	L0001708	VOLUME	447731.158	3762404.130	224.02
LOCATION	L0001709	VOLUME	447745.155	3762403.868	224.16
LOCATION	L0001710	VOLUME	447759.153	3762403.605	224.30
LOCATION	L0001711	VOLUME	447773.150	3762403.343	224.30
LOCATION	L0001712	VOLUME	447787.148	3762403.080	224.30
LOCATION	L0001713	VOLUME	447801.145	3762402.818	224.42
LOCATION	L0001714	VOLUME	447815.143	3762402.556	224.56
LOCATION	L0001715	VOLUME	447829.141	3762402.293	224.60
LOCATION	L0001716	VOLUME	447843.138	3762402.031	224.59
LOCATION	L0001717	VOLUME	447857.136	3762401.769	224.67
LOCATION	L0001718	VOLUME	447871.133	3762401.506	224.81
LOCATION	L0001719	VOLUME	447885.131	3762401.244	224.95
LOCATION	L0001720	VOLUME	447899.128	3762400.982	225.09
LOCATION	L0001721	VOLUME	447913.126	3762400.719	225.22
LOCATION	L0001722	VOLUME	447927.123	3762400.457	225.33
LOCATION	L0001723	VOLUME	447941.121	3762400.195	225.43
LOCATION	L0001724	VOLUME	447955.118	3762399.932	225.49
LOCATION	L0001725	VOLUME	447969.116	3762399.670	225.55
LOCATION	L0001726	VOLUME	447983.114	3762399.407	225.55
LOCATION	L0001727	VOLUME	447997.111	3762399.145	225.55
LOCATION	L0001728	VOLUME	448011.109	3762398.883	225.55
LOCATION	L0001729	VOLUME	448025.106	3762398.620	225.55
LOCATION	L0001730	VOLUME	448039.104	3762398.358	225.50
LOCATION	L0001731	VOLUME	448053.101	3762398.096	225.42
LOCATION	L0001732	VOLUME	448067.099	3762397.833	225.27
LOCATION	L0001733	VOLUME	448081.096	3762397.571	225.06
LOCATION	L0001734	VOLUME	448095.094	3762397.309	224.93
LOCATION	L0001735	VOLUME	448109.091	3762397.046	224.88
LOCATION	L0001736	VOLUME	448123.089	3762396.784	224.85
LOCATION	L0001737	VOLUME	448137.086	3762396.522	224.84
LOCATION	L0001738	VOLUME	448151.084	3762396.259	224.85
LOCATION	L0001739	VOLUME	448165.082	3762395.997	224.89
LOCATION	L0001740	VOLUME	448179.079	3762395.734	224.94
LOCATION	L0001741	VOLUME	448193.077	3762395.472	225.03
LOCATION	L0001742	VOLUME	448207.074	3762395.210	225.12
LOCATION	L0001743	VOLUME	448221.072	3762394.947	225.25
LOCATION	L0001744	VOLUME	448235.069	3762394.685	225.39
LOCATION	L0001745	VOLUME	448249.067	3762394.423	225.43
LOCATION	L0001746	VOLUME	448263.064	3762394.160	225.43
LOCATION	L0001747	VOLUME	448277.062	3762393.898	225.46
LOCATION	L0001748	VOLUME	448291.059	3762393.636	225.52
LOCATION	L0001749	VOLUME	448305.057	3762393.373	225.55
LOCATION	L0001750	VOLUME	448319.054	3762393.111	225.55
LOCATION	L0001751	VOLUME	448333.052	3762392.849	225.54
LOCATION	L0001752	VOLUME	448347.050	3762392.586	225.47
LOCATION	L0001753	VOLUME	448361.047	3762392.324	225.40
LOCATION	L0001754	VOLUME	448375.045	3762392.061	225.32
LOCATION	L0001755	VOLUME	448389.042	3762391.799	225.25
LOCATION	L0001756	VOLUME	448403.040	3762391.537	225.18
LOCATION	L0001757	VOLUME	448417.037	3762391.274	225.11

** End of LINE VOLUME Source ID = 2OR30

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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = 1H25
** DESCRSRC 2C,3C,5A Hamner 25%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 7
** 448433.695, 3762390.310, 225.14, 3.49, 6.51
** 448438.132, 3762861.510, 228.89, 3.49, 6.51
** 448441.681, 3763045.198, 230.41, 3.49, 6.51
** 448451.442, 3763598.038, 237.40, 3.49, 6.51
** 448463.866, 3764410.880, 242.77, 3.49, 6.51
** 448453.217, 3764823.513, 247.04, 3.49, 6.51
** 448453.217, 3765063.994, 249.19, 3.49, 6.51
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LOCATION	VOLUME	VOLUME	VOLUME	VOLUME
LOCATION L0000924	VOLUME	448433.761	3762397.310	225.16
LOCATION L0000925	VOLUME	448433.892	3762411.309	225.30
LOCATION L0000926	VOLUME	448434.024	3762425.308	225.44
LOCATION L0000927	VOLUME	448434.156	3762439.308	225.58
LOCATION L0000928	VOLUME	448434.288	3762453.307	225.72
LOCATION L0000929	VOLUME	448434.420	3762467.306	225.87
LOCATION L0000930	VOLUME	448434.552	3762481.306	226.01
LOCATION L0000931	VOLUME	448434.683	3762495.305	226.15
LOCATION L0000932	VOLUME	448434.815	3762509.305	226.29
LOCATION L0000933	VOLUME	448434.947	3762523.304	226.44
LOCATION L0000934	VOLUME	448435.079	3762537.303	226.58
LOCATION L0000935	VOLUME	448435.211	3762551.303	226.72
LOCATION L0000936	VOLUME	448435.342	3762565.302	226.86
LOCATION L0000937	VOLUME	448435.474	3762579.301	227.00
LOCATION L0000938	VOLUME	448435.606	3762593.301	227.15
LOCATION L0000939	VOLUME	448435.738	3762607.300	227.29
LOCATION L0000940	VOLUME	448435.870	3762621.300	227.43
LOCATION L0000941	VOLUME	448436.002	3762635.299	227.57
LOCATION L0000942	VOLUME	448436.133	3762649.298	227.73
LOCATION L0000943	VOLUME	448436.265	3762663.298	227.93
LOCATION L0000944	VOLUME	448436.397	3762677.297	228.13
LOCATION L0000945	VOLUME	448436.529	3762691.297	228.27
LOCATION L0000946	VOLUME	448436.661	3762705.296	228.41
LOCATION L0000947	VOLUME	448436.792	3762719.295	228.50
LOCATION L0000948	VOLUME	448436.924	3762733.295	228.58
LOCATION L0000949	VOLUME	448437.056	3762747.294	228.71
LOCATION L0000950	VOLUME	448437.188	3762761.293	228.85
LOCATION L0000951	VOLUME	448437.320	3762775.293	228.90
LOCATION L0000952	VOLUME	448437.452	3762789.292	228.90
LOCATION L0000953	VOLUME	448437.583	3762803.292	228.90
LOCATION L0000954	VOLUME	448437.715	3762817.291	228.90
LOCATION L0000955	VOLUME	448437.847	3762831.290	228.90
LOCATION L0000956	VOLUME	448437.979	3762845.290	228.90
LOCATION L0000957	VOLUME	448438.111	3762859.289	228.92
LOCATION L0000958	VOLUME	448438.359	3762873.287	229.01
LOCATION L0000959	VOLUME	448438.630	3762887.284	229.10
LOCATION L0000960	VOLUME	448438.900	3762901.282	229.10
LOCATION L0000961	VOLUME	448439.171	3762915.279	229.11
LOCATION L0000962	VOLUME	448439.441	3762929.276	229.11
LOCATION L0000963	VOLUME	448439.712	3762943.274	229.11
LOCATION L0000964	VOLUME	448439.982	3762957.271	229.34
LOCATION L0000965	VOLUME	448440.253	3762971.268	229.62
LOCATION L0000966	VOLUME	448440.523	3762985.266	229.82
LOCATION L0000967	VOLUME	448440.793	3762999.263	229.96
LOCATION L0000968	VOLUME	448441.064	3763013.261	230.13
LOCATION L0000969	VOLUME	448441.334	3763027.258	230.31
LOCATION L0000970	VOLUME	448441.605	3763041.255	230.49

LOCATION	L0000971	VOLUME	448441.859	3763055.253	230.67
LOCATION	L0000972	VOLUME	448442.106	3763069.251	230.84
LOCATION	L0000973	VOLUME	448442.353	3763083.249	230.98
LOCATION	L0000974	VOLUME	448442.600	3763097.247	231.12
LOCATION	L0000975	VOLUME	448442.847	3763111.244	231.26
LOCATION	L0000976	VOLUME	448443.094	3763125.242	231.40
LOCATION	L0000977	VOLUME	448443.342	3763139.240	231.51
LOCATION	L0000978	VOLUME	448443.589	3763153.238	231.62
LOCATION	L0000979	VOLUME	448443.836	3763167.236	231.76
LOCATION	L0000980	VOLUME	448444.083	3763181.233	231.90
LOCATION	L0000981	VOLUME	448444.330	3763195.231	232.04
LOCATION	L0000982	VOLUME	448444.577	3763209.229	232.19
LOCATION	L0000983	VOLUME	448444.824	3763223.227	232.33
LOCATION	L0000984	VOLUME	448445.072	3763237.225	232.47
LOCATION	L0000985	VOLUME	448445.319	3763251.223	232.62
LOCATION	L0000986	VOLUME	448445.566	3763265.220	232.78
LOCATION	L0000987	VOLUME	448445.813	3763279.218	232.96
LOCATION	L0000988	VOLUME	448446.060	3763293.216	233.23
LOCATION	L0000989	VOLUME	448446.307	3763307.214	233.49
LOCATION	L0000990	VOLUME	448446.555	3763321.212	233.63
LOCATION	L0000991	VOLUME	448446.802	3763335.209	233.77
LOCATION	L0000992	VOLUME	448447.049	3763349.207	233.91
LOCATION	L0000993	VOLUME	448447.296	3763363.205	234.05
LOCATION	L0000994	VOLUME	448447.543	3763377.203	234.20
LOCATION	L0000995	VOLUME	448447.790	3763391.201	234.34
LOCATION	L0000996	VOLUME	448448.037	3763405.199	234.48
LOCATION	L0000997	VOLUME	448448.285	3763419.196	234.62
LOCATION	L0000998	VOLUME	448448.532	3763433.194	234.77
LOCATION	L0000999	VOLUME	448448.779	3763447.192	234.91
LOCATION	L0001000	VOLUME	448449.026	3763461.190	235.05
LOCATION	L0001001	VOLUME	448449.273	3763475.188	235.19
LOCATION	L0001002	VOLUME	448449.520	3763489.185	235.36
LOCATION	L0001003	VOLUME	448449.768	3763503.183	235.65
LOCATION	L0001004	VOLUME	448450.015	3763517.181	235.93
LOCATION	L0001005	VOLUME	448450.262	3763531.179	236.22
LOCATION	L0001006	VOLUME	448450.509	3763545.177	236.50
LOCATION	L0001007	VOLUME	448450.756	3763559.175	236.78
LOCATION	L0001008	VOLUME	448451.003	3763573.172	237.06
LOCATION	L0001009	VOLUME	448451.250	3763587.170	237.23
LOCATION	L0001010	VOLUME	448451.490	3763601.168	237.37
LOCATION	L0001011	VOLUME	448451.704	3763615.167	237.51
LOCATION	L0001012	VOLUME	448451.918	3763629.165	237.65
LOCATION	L0001013	VOLUME	448452.132	3763643.163	237.72
LOCATION	L0001014	VOLUME	448452.346	3763657.162	237.74
LOCATION	L0001015	VOLUME	448452.560	3763671.160	237.84
LOCATION	L0001016	VOLUME	448452.774	3763685.158	238.11
LOCATION	L0001017	VOLUME	448452.988	3763699.157	238.32
LOCATION	L0001018	VOLUME	448453.202	3763713.155	238.32
LOCATION	L0001019	VOLUME	448453.416	3763727.153	238.32
LOCATION	L0001020	VOLUME	448453.630	3763741.152	238.46
LOCATION	L0001021	VOLUME	448453.844	3763755.150	238.60
LOCATION	L0001022	VOLUME	448454.058	3763769.149	238.74
LOCATION	L0001023	VOLUME	448454.272	3763783.147	238.88
LOCATION	L0001024	VOLUME	448454.485	3763797.145	239.00
LOCATION	L0001025	VOLUME	448454.699	3763811.144	239.12
LOCATION	L0001026	VOLUME	448454.913	3763825.142	239.16
LOCATION	L0001027	VOLUME	448455.127	3763839.140	239.15
LOCATION	L0001028	VOLUME	448455.341	3763853.139	239.09
LOCATION	L0001029	VOLUME	448455.555	3763867.137	238.98
LOCATION	L0001030	VOLUME	448455.769	3763881.135	238.91
LOCATION	L0001031	VOLUME	448455.983	3763895.134	238.94
LOCATION	L0001032	VOLUME	448456.197	3763909.132	238.96
LOCATION	L0001033	VOLUME	448456.411	3763923.131	238.96
LOCATION	L0001034	VOLUME	448456.625	3763937.129	238.97
LOCATION	L0001035	VOLUME	448456.839	3763951.127	239.08
LOCATION	L0001036	VOLUME	448457.053	3763965.126	239.18

LOCATION L0001037	VOLUME	448457.267	3763979.124	239.22
LOCATION L0001038	VOLUME	448457.481	3763993.122	239.26
LOCATION L0001039	VOLUME	448457.695	3764007.121	239.38
LOCATION L0001040	VOLUME	448457.909	3764021.119	239.52
LOCATION L0001041	VOLUME	448458.123	3764035.117	239.66
LOCATION L0001042	VOLUME	448458.337	3764049.116	239.80
LOCATION L0001043	VOLUME	448458.550	3764063.114	239.99
LOCATION L0001044	VOLUME	448458.764	3764077.113	240.23
LOCATION L0001045	VOLUME	448458.978	3764091.111	240.41
LOCATION L0001046	VOLUME	448459.192	3764105.109	240.45
LOCATION L0001047	VOLUME	448459.406	3764119.108	240.52
LOCATION L0001048	VOLUME	448459.620	3764133.106	240.66
LOCATION L0001049	VOLUME	448459.834	3764147.104	240.80
LOCATION L0001050	VOLUME	448460.048	3764161.103	241.00
LOCATION L0001051	VOLUME	448460.262	3764175.101	241.19
LOCATION L0001052	VOLUME	448460.476	3764189.099	241.47
LOCATION L0001053	VOLUME	448460.690	3764203.098	241.76
LOCATION L0001054	VOLUME	448460.904	3764217.096	242.26
LOCATION L0001055	VOLUME	448461.118	3764231.095	242.83
LOCATION L0001056	VOLUME	448461.332	3764245.093	243.22
LOCATION L0001057	VOLUME	448461.546	3764259.091	243.51
LOCATION L0001058	VOLUME	448461.760	3764273.090	243.66
LOCATION L0001059	VOLUME	448461.974	3764287.088	243.66
LOCATION L0001060	VOLUME	448462.188	3764301.086	243.64
LOCATION L0001061	VOLUME	448462.402	3764315.085	243.56
LOCATION L0001062	VOLUME	448462.616	3764329.083	243.46
LOCATION L0001063	VOLUME	448462.829	3764343.082	243.26
LOCATION L0001064	VOLUME	448463.043	3764357.080	243.06
LOCATION L0001065	VOLUME	448463.257	3764371.078	242.92
LOCATION L0001066	VOLUME	448463.471	3764385.077	242.78
LOCATION L0001067	VOLUME	448463.685	3764399.075	242.77
LOCATION L0001068	VOLUME	448463.809	3764413.073	242.78
LOCATION L0001069	VOLUME	448463.448	3764427.068	242.83
LOCATION L0001070	VOLUME	448463.087	3764441.064	242.90
LOCATION L0001071	VOLUME	448462.726	3764455.059	243.01
LOCATION L0001072	VOLUME	448462.364	3764469.054	243.16
LOCATION L0001073	VOLUME	448462.003	3764483.050	243.30
LOCATION L0001074	VOLUME	448461.642	3764497.045	243.44
LOCATION L0001075	VOLUME	448461.281	3764511.040	243.58
LOCATION L0001076	VOLUME	448460.920	3764525.036	243.73
LOCATION L0001077	VOLUME	448460.559	3764539.031	243.87
LOCATION L0001078	VOLUME	448460.197	3764553.026	244.01
LOCATION L0001079	VOLUME	448459.836	3764567.022	244.15
LOCATION L0001080	VOLUME	448459.475	3764581.017	244.34
LOCATION L0001081	VOLUME	448459.114	3764595.012	244.53
LOCATION L0001082	VOLUME	448458.753	3764609.008	244.72
LOCATION L0001083	VOLUME	448458.392	3764623.003	244.92
LOCATION L0001084	VOLUME	448458.030	3764636.998	245.08
LOCATION L0001085	VOLUME	448457.669	3764650.994	245.23
LOCATION L0001086	VOLUME	448457.308	3764664.989	245.40
LOCATION L0001087	VOLUME	448456.947	3764678.984	245.58
LOCATION L0001088	VOLUME	448456.586	3764692.980	245.77
LOCATION L0001089	VOLUME	448456.225	3764706.975	245.99
LOCATION L0001090	VOLUME	448455.863	3764720.970	246.16
LOCATION L0001091	VOLUME	448455.502	3764734.966	246.19
LOCATION L0001092	VOLUME	448455.141	3764748.961	246.25
LOCATION L0001093	VOLUME	448454.780	3764762.956	246.39
LOCATION L0001094	VOLUME	448454.419	3764776.952	246.54
LOCATION L0001095	VOLUME	448454.058	3764790.947	246.68
LOCATION L0001096	VOLUME	448453.696	3764804.942	246.83
LOCATION L0001097	VOLUME	448453.335	3764818.938	246.96
LOCATION L0001098	VOLUME	448453.217	3764832.936	247.09
LOCATION L0001099	VOLUME	448453.217	3764846.936	247.21
LOCATION L0001100	VOLUME	448453.217	3764860.936	247.33
LOCATION L0001101	VOLUME	448453.217	3764874.936	247.38
LOCATION L0001102	VOLUME	448453.217	3764888.936	247.38

LOCATION	VOLUME			
L0001103	448453.217	3764902.936	247.38	
L0001104	448453.217	3764916.936	247.38	
L0001105	448453.217	3764930.936	247.39	
L0001106	448453.217	3764944.936	247.41	
L0001107	448453.217	3764958.936	247.44	
L0001108	448453.217	3764972.936	247.57	
L0001109	448453.217	3764986.936	247.70	
L0001110	448453.217	3765000.936	248.10	
L0001111	448453.217	3765014.936	248.49	
L0001112	448453.217	3765028.936	248.67	
L0001113	448453.217	3765042.936	248.83	
L0001114	448453.217	3765056.936	248.99	

** End of LINE VOLUME Source ID = 1H25

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 2H25

** DESCRSRC 6A Hamner 25%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 7

** 448433.695, 3762390.310, 225.14, 3.49, 6.51

** 448438.132, 3762861.510, 228.89, 3.49, 6.51

** 448441.681, 3763045.198, 230.41, 3.49, 6.51

** 448451.442, 3763598.038, 237.40, 3.49, 6.51

** 448463.866, 3764410.880, 242.77, 3.49, 6.51

** 448453.217, 3764823.513, 247.04, 3.49, 6.51

** 448453.217, 3765063.994, 249.19, 3.49, 6.51

** -----

LOCATION	VOLUME			
L0002075	448433.761	3762397.310	225.16	
L0002076	448433.892	3762411.309	225.30	
L0002077	448434.024	3762425.308	225.44	
L0002078	448434.156	3762439.308	225.58	
L0002079	448434.288	3762453.307	225.72	
L0002080	448434.420	3762467.306	225.87	
L0002081	448434.552	3762481.306	226.01	
L0002082	448434.683	3762495.305	226.15	
L0002083	448434.815	3762509.305	226.29	
L0002084	448434.947	3762523.304	226.44	
L0002085	448435.079	3762537.303	226.58	
L0002086	448435.211	3762551.303	226.72	
L0002087	448435.342	3762565.302	226.86	
L0002088	448435.474	3762579.301	227.00	
L0002089	448435.606	3762593.301	227.15	
L0002090	448435.738	3762607.300	227.29	
L0002091	448435.870	3762621.300	227.43	
L0002092	448436.002	3762635.299	227.57	
L0002093	448436.133	3762649.298	227.73	
L0002094	448436.265	3762663.298	227.93	
L0002095	448436.397	3762677.297	228.13	
L0002096	448436.529	3762691.297	228.27	
L0002097	448436.661	3762705.296	228.41	
L0002098	448436.792	3762719.295	228.50	
L0002099	448436.924	3762733.295	228.58	
L0002100	448437.056	3762747.294	228.71	
L0002101	448437.188	3762761.293	228.85	
L0002102	448437.320	3762775.293	228.90	
L0002103	448437.452	3762789.292	228.90	
L0002104	448437.583	3762803.292	228.90	
L0002105	448437.715	3762817.291	228.90	
L0002106	448437.847	3762831.290	228.90	
L0002107	448437.979	3762845.290	228.90	
L0002108	448438.111	3762859.289	228.92	

LOCATION	L0002109	VOLUME	448438.359	3762873.287	229.01
LOCATION	L0002110	VOLUME	448438.630	3762887.284	229.10
LOCATION	L0002111	VOLUME	448438.900	3762901.282	229.10
LOCATION	L0002112	VOLUME	448439.171	3762915.279	229.11
LOCATION	L0002113	VOLUME	448439.441	3762929.276	229.11
LOCATION	L0002114	VOLUME	448439.712	3762943.274	229.11
LOCATION	L0002115	VOLUME	448439.982	3762957.271	229.34
LOCATION	L0002116	VOLUME	448440.253	3762971.268	229.62
LOCATION	L0002117	VOLUME	448440.523	3762985.266	229.82
LOCATION	L0002118	VOLUME	448440.793	3762999.263	229.96
LOCATION	L0002119	VOLUME	448441.064	3763013.261	230.13
LOCATION	L0002120	VOLUME	448441.334	3763027.258	230.31
LOCATION	L0002121	VOLUME	448441.605	3763041.255	230.49
LOCATION	L0002122	VOLUME	448441.859	3763055.253	230.67
LOCATION	L0002123	VOLUME	448442.106	3763069.251	230.84
LOCATION	L0002124	VOLUME	448442.353	3763083.249	230.98
LOCATION	L0002125	VOLUME	448442.600	3763097.247	231.12
LOCATION	L0002126	VOLUME	448442.847	3763111.244	231.26
LOCATION	L0002127	VOLUME	448443.094	3763125.242	231.40
LOCATION	L0002128	VOLUME	448443.342	3763139.240	231.51
LOCATION	L0002129	VOLUME	448443.589	3763153.238	231.62
LOCATION	L0002130	VOLUME	448443.836	3763167.236	231.76
LOCATION	L0002131	VOLUME	448444.083	3763181.233	231.90
LOCATION	L0002132	VOLUME	448444.330	3763195.231	232.04
LOCATION	L0002133	VOLUME	448444.577	3763209.229	232.19
LOCATION	L0002134	VOLUME	448444.824	3763223.227	232.33
LOCATION	L0002135	VOLUME	448445.072	3763237.225	232.47
LOCATION	L0002136	VOLUME	448445.319	3763251.223	232.62
LOCATION	L0002137	VOLUME	448445.566	3763265.220	232.78
LOCATION	L0002138	VOLUME	448445.813	3763279.218	232.96
LOCATION	L0002139	VOLUME	448446.060	3763293.216	233.23
LOCATION	L0002140	VOLUME	448446.307	3763307.214	233.49
LOCATION	L0002141	VOLUME	448446.555	3763321.212	233.63
LOCATION	L0002142	VOLUME	448446.802	3763335.209	233.77
LOCATION	L0002143	VOLUME	448447.049	3763349.207	233.91
LOCATION	L0002144	VOLUME	448447.296	3763363.205	234.05
LOCATION	L0002145	VOLUME	448447.543	3763377.203	234.20
LOCATION	L0002146	VOLUME	448447.790	3763391.201	234.34
LOCATION	L0002147	VOLUME	448448.037	3763405.199	234.48
LOCATION	L0002148	VOLUME	448448.285	3763419.196	234.62
LOCATION	L0002149	VOLUME	448448.532	3763433.194	234.77
LOCATION	L0002150	VOLUME	448448.779	3763447.192	234.91
LOCATION	L0002151	VOLUME	448449.026	3763461.190	235.05
LOCATION	L0002152	VOLUME	448449.273	3763475.188	235.19
LOCATION	L0002153	VOLUME	448449.520	3763489.185	235.36
LOCATION	L0002154	VOLUME	448449.768	3763503.183	235.65
LOCATION	L0002155	VOLUME	448450.015	3763517.181	235.93
LOCATION	L0002156	VOLUME	448450.262	3763531.179	236.22
LOCATION	L0002157	VOLUME	448450.509	3763545.177	236.50
LOCATION	L0002158	VOLUME	448450.756	3763559.175	236.78
LOCATION	L0002159	VOLUME	448451.003	3763573.172	237.06
LOCATION	L0002160	VOLUME	448451.250	3763587.170	237.23
LOCATION	L0002161	VOLUME	448451.490	3763601.168	237.37
LOCATION	L0002162	VOLUME	448451.704	3763615.167	237.51
LOCATION	L0002163	VOLUME	448451.918	3763629.165	237.65
LOCATION	L0002164	VOLUME	448452.132	3763643.163	237.72
LOCATION	L0002165	VOLUME	448452.346	3763657.162	237.74
LOCATION	L0002166	VOLUME	448452.560	3763671.160	237.84
LOCATION	L0002167	VOLUME	448452.774	3763685.158	238.11
LOCATION	L0002168	VOLUME	448452.988	3763699.157	238.32
LOCATION	L0002169	VOLUME	448453.202	3763713.155	238.32
LOCATION	L0002170	VOLUME	448453.416	3763727.153	238.32
LOCATION	L0002171	VOLUME	448453.630	3763741.152	238.46
LOCATION	L0002172	VOLUME	448453.844	3763755.150	238.60
LOCATION	L0002173	VOLUME	448454.058	3763769.149	238.74
LOCATION	L0002174	VOLUME	448454.272	3763783.147	238.88

LOCATION	L0002175	VOLUME	448454.485	3763797.145	239.00
LOCATION	L0002176	VOLUME	448454.699	3763811.144	239.12
LOCATION	L0002177	VOLUME	448454.913	3763825.142	239.16
LOCATION	L0002178	VOLUME	448455.127	3763839.140	239.15
LOCATION	L0002179	VOLUME	448455.341	3763853.139	239.09
LOCATION	L0002180	VOLUME	448455.555	3763867.137	238.98
LOCATION	L0002181	VOLUME	448455.769	3763881.135	238.91
LOCATION	L0002182	VOLUME	448455.983	3763895.134	238.94
LOCATION	L0002183	VOLUME	448456.197	3763909.132	238.96
LOCATION	L0002184	VOLUME	448456.411	3763923.131	238.96
LOCATION	L0002185	VOLUME	448456.625	3763937.129	238.97
LOCATION	L0002186	VOLUME	448456.839	3763951.127	239.08
LOCATION	L0002187	VOLUME	448457.053	3763965.126	239.18
LOCATION	L0002188	VOLUME	448457.267	3763979.124	239.22
LOCATION	L0002189	VOLUME	448457.481	3763993.122	239.26
LOCATION	L0002190	VOLUME	448457.695	3764007.121	239.38
LOCATION	L0002191	VOLUME	448457.909	3764021.119	239.52
LOCATION	L0002192	VOLUME	448458.123	3764035.117	239.66
LOCATION	L0002193	VOLUME	448458.337	3764049.116	239.80
LOCATION	L0002194	VOLUME	448458.550	3764063.114	239.99
LOCATION	L0002195	VOLUME	448458.764	3764077.113	240.23
LOCATION	L0002196	VOLUME	448458.978	3764091.111	240.41
LOCATION	L0002197	VOLUME	448459.192	3764105.109	240.45
LOCATION	L0002198	VOLUME	448459.406	3764119.108	240.52
LOCATION	L0002199	VOLUME	448459.620	3764133.106	240.66
LOCATION	L0002200	VOLUME	448459.834	3764147.104	240.80
LOCATION	L0002201	VOLUME	448460.048	3764161.103	241.00
LOCATION	L0002202	VOLUME	448460.262	3764175.101	241.19
LOCATION	L0002203	VOLUME	448460.476	3764189.099	241.47
LOCATION	L0002204	VOLUME	448460.690	3764203.098	241.76
LOCATION	L0002205	VOLUME	448460.904	3764217.096	242.26
LOCATION	L0002206	VOLUME	448461.118	3764231.095	242.83
LOCATION	L0002207	VOLUME	448461.332	3764245.093	243.22
LOCATION	L0002208	VOLUME	448461.546	3764259.091	243.51
LOCATION	L0002209	VOLUME	448461.760	3764273.090	243.66
LOCATION	L0002210	VOLUME	448461.974	3764287.088	243.66
LOCATION	L0002211	VOLUME	448462.188	3764301.086	243.64
LOCATION	L0002212	VOLUME	448462.402	3764315.085	243.56
LOCATION	L0002213	VOLUME	448462.616	3764329.083	243.46
LOCATION	L0002214	VOLUME	448462.829	3764343.082	243.26
LOCATION	L0002215	VOLUME	448463.043	3764357.080	243.06
LOCATION	L0002216	VOLUME	448463.257	3764371.078	242.92
LOCATION	L0002217	VOLUME	448463.471	3764385.077	242.78
LOCATION	L0002218	VOLUME	448463.685	3764399.075	242.77
LOCATION	L0002219	VOLUME	448463.809	3764413.073	242.78
LOCATION	L0002220	VOLUME	448463.448	3764427.068	242.83
LOCATION	L0002221	VOLUME	448463.087	3764441.064	242.90
LOCATION	L0002222	VOLUME	448462.726	3764455.059	243.01
LOCATION	L0002223	VOLUME	448462.364	3764469.054	243.16
LOCATION	L0002224	VOLUME	448462.003	3764483.050	243.30
LOCATION	L0002225	VOLUME	448461.642	3764497.045	243.44
LOCATION	L0002226	VOLUME	448461.281	3764511.040	243.58
LOCATION	L0002227	VOLUME	448460.920	3764525.036	243.73
LOCATION	L0002228	VOLUME	448460.559	3764539.031	243.87
LOCATION	L0002229	VOLUME	448460.197	3764553.026	244.01
LOCATION	L0002230	VOLUME	448459.836	3764567.022	244.15
LOCATION	L0002231	VOLUME	448459.475	3764581.017	244.34
LOCATION	L0002232	VOLUME	448459.114	3764595.012	244.53
LOCATION	L0002233	VOLUME	448458.753	3764609.008	244.72
LOCATION	L0002234	VOLUME	448458.392	3764623.003	244.92
LOCATION	L0002235	VOLUME	448458.030	3764636.998	245.08
LOCATION	L0002236	VOLUME	448457.669	3764650.994	245.23
LOCATION	L0002237	VOLUME	448457.308	3764664.989	245.40
LOCATION	L0002238	VOLUME	448456.947	3764678.984	245.58
LOCATION	L0002239	VOLUME	448456.586	3764692.980	245.77
LOCATION	L0002240	VOLUME	448456.225	3764706.975	245.99

LOCATION	VOLUME			
L0002241	448455.863	3764720.970	246.16	
L0002242	448455.502	3764734.966	246.19	
L0002243	448455.141	3764748.961	246.25	
L0002244	448454.780	3764762.956	246.39	
L0002245	448454.419	3764776.952	246.54	
L0002246	448454.058	3764790.947	246.68	
L0002247	448453.696	3764804.942	246.83	
L0002248	448453.335	3764818.938	246.96	
L0002249	448453.217	3764832.936	247.09	
L0002250	448453.217	3764846.936	247.21	
L0002251	448453.217	3764860.936	247.33	
L0002252	448453.217	3764874.936	247.38	
L0002253	448453.217	3764888.936	247.38	
L0002254	448453.217	3764902.936	247.38	
L0002255	448453.217	3764916.936	247.38	
L0002256	448453.217	3764930.936	247.39	
L0002257	448453.217	3764944.936	247.41	
L0002258	448453.217	3764958.936	247.44	
L0002259	448453.217	3764972.936	247.57	
L0002260	448453.217	3764986.936	247.70	
L0002261	448453.217	3765000.936	248.10	
L0002262	448453.217	3765014.936	248.49	
L0002263	448453.217	3765028.936	248.67	
L0002264	448453.217	3765042.936	248.83	
L0002265	448453.217	3765056.936	248.99	

** End of LINE VOLUME Source ID = 2H25

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 1OR60

** DESCRSRC 2C,3C,5A Ontario Ranch 60%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 6

** 448439.906, 3762388.535, 224.96, 3.49, 6.51

** 448621.820, 3762386.760, 224.36, 3.49, 6.51

** 448708.783, 3762392.972, 222.80, 3.49, 6.51

** 448783.323, 3762407.170, 222.51, 3.49, 6.51

** 448868.512, 3762428.467, 222.75, 3.49, 6.51

** 449293.569, 3762584.647, 224.33, 3.49, 6.51

**

LOCATION	VOLUME			
L0001115	448446.906	3762388.467	225.07	
L0001116	448460.905	3762388.330	225.06	
L0001117	448474.905	3762388.194	225.06	
L0001118	448488.904	3762388.057	225.06	
L0001119	448502.903	3762387.921	225.06	
L0001120	448516.903	3762387.784	225.06	
L0001121	448530.902	3762387.647	225.06	
L0001122	448544.901	3762387.511	225.06	
L0001123	448558.901	3762387.374	225.05	
L0001124	448572.900	3762387.238	225.07	
L0001125	448586.899	3762387.101	225.12	
L0001126	448600.899	3762386.964	225.13	
L0001127	448614.898	3762386.828	224.90	
L0001128	448628.880	3762387.265	224.68	
L0001129	448642.844	3762388.262	224.32	
L0001130	448656.809	3762389.260	223.93	
L0001131	448670.773	3762390.257	223.52	
L0001132	448684.737	3762391.254	223.10	
L0001133	448698.702	3762392.252	222.74	
L0001134	448712.607	3762393.700	222.42	
L0001135	448726.360	3762396.320	222.28	
L0001136	448740.113	3762398.940	222.25	

LOCATION	VOLUME			
L0001137	448753.866	3762401.559	222.24	
L0001138	448767.618	3762404.179	222.38	
L0001139	448781.371	3762406.798	222.52	
L0001140	448794.977	3762410.084	222.68	
L0001141	448808.559	3762413.479	222.87	
L0001142	448822.141	3762416.875	222.79	
L0001143	448835.723	3762420.270	222.68	
L0001144	448849.305	3762423.666	222.64	
L0001145	448862.887	3762427.061	222.64	
L0001146	448876.211	3762431.296	222.72	
L0001147	448889.352	3762436.125	222.81	
L0001148	448902.493	3762440.953	222.86	
L0001149	448915.634	3762445.781	222.91	
L0001150	448928.775	3762450.610	222.95	
L0001151	448941.916	3762455.438	223.08	
L0001152	448955.057	3762460.267	223.26	
L0001153	448968.198	3762465.095	223.40	
L0001154	448981.339	3762469.924	223.46	
L0001155	448994.480	3762474.752	223.50	
L0001156	449007.621	3762479.580	223.55	
L0001157	449020.762	3762484.409	223.62	
L0001158	449033.903	3762489.237	223.80	
L0001159	449047.044	3762494.066	223.98	
L0001160	449060.185	3762498.894	224.05	
L0001161	449073.326	3762503.723	224.10	
L0001162	449086.467	3762508.551	224.15	
L0001163	449099.608	3762513.379	224.20	
L0001164	449112.749	3762518.208	224.25	
L0001165	449125.890	3762523.036	224.30	
L0001166	449139.031	3762527.865	224.35	
L0001167	449152.172	3762532.693	224.40	
L0001168	449165.313	3762537.522	224.45	
L0001169	449178.454	3762542.350	224.45	
L0001170	449191.595	3762547.178	224.48	
L0001171	449204.736	3762552.007	224.50	
L0001172	449217.877	3762556.835	224.46	
L0001173	449231.018	3762561.664	224.44	
L0001174	449244.159	3762566.492	224.49	
L0001175	449257.300	3762571.321	224.50	
L0001176	449270.441	3762576.149	224.42	
L0001177	449283.582	3762580.977	224.34	

** End of LINE VOLUME Source ID = 1OR60

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 2OR60

** DESCRSRC 6A Ontario Ranch 60%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 6

** 448439.906, 3762388.535, 224.96, 3.49, 6.51

** 448621.820, 3762386.760, 224.36, 3.49, 6.51

** 448708.783, 3762392.972, 222.80, 3.49, 6.51

** 448783.323, 3762407.170, 222.51, 3.49, 6.51

** 448868.512, 3762428.467, 222.75, 3.49, 6.51

** 449293.569, 3762584.647, 224.33, 3.49, 6.51

** -----

LOCATION	VOLUME			
L0001821	448446.906	3762388.467	225.07	
L0001822	448460.905	3762388.330	225.06	
L0001823	448474.905	3762388.194	225.06	
L0001824	448488.904	3762388.057	225.06	
L0001825	448502.903	3762387.921	225.06	
L0001826	448516.903	3762387.784	225.06	

LOCATION L0001827	VOLUME	448530.902	3762387.647	225.06
LOCATION L0001828	VOLUME	448544.901	3762387.511	225.06
LOCATION L0001829	VOLUME	448558.901	3762387.374	225.05
LOCATION L0001830	VOLUME	448572.900	3762387.238	225.07
LOCATION L0001831	VOLUME	448586.899	3762387.101	225.12
LOCATION L0001832	VOLUME	448600.899	3762386.964	225.13
LOCATION L0001833	VOLUME	448614.898	3762386.828	224.90
LOCATION L0001834	VOLUME	448628.880	3762387.265	224.68
LOCATION L0001835	VOLUME	448642.844	3762388.262	224.32
LOCATION L0001836	VOLUME	448656.809	3762389.260	223.93
LOCATION L0001837	VOLUME	448670.773	3762390.257	223.52
LOCATION L0001838	VOLUME	448684.737	3762391.254	223.10
LOCATION L0001839	VOLUME	448698.702	3762392.252	222.74
LOCATION L0001840	VOLUME	448712.607	3762393.700	222.42
LOCATION L0001841	VOLUME	448726.360	3762396.320	222.28
LOCATION L0001842	VOLUME	448740.113	3762398.940	222.25
LOCATION L0001843	VOLUME	448753.866	3762401.559	222.24
LOCATION L0001844	VOLUME	448767.618	3762404.179	222.38
LOCATION L0001845	VOLUME	448781.371	3762406.798	222.52
LOCATION L0001846	VOLUME	448794.977	3762410.084	222.68
LOCATION L0001847	VOLUME	448808.559	3762413.479	222.87
LOCATION L0001848	VOLUME	448822.141	3762416.875	222.79
LOCATION L0001849	VOLUME	448835.723	3762420.270	222.68
LOCATION L0001850	VOLUME	448849.305	3762423.666	222.64
LOCATION L0001851	VOLUME	448862.887	3762427.061	222.64
LOCATION L0001852	VOLUME	448876.211	3762431.296	222.72
LOCATION L0001853	VOLUME	448889.352	3762436.125	222.81
LOCATION L0001854	VOLUME	448902.493	3762440.953	222.86
LOCATION L0001855	VOLUME	448915.634	3762445.781	222.91
LOCATION L0001856	VOLUME	448928.775	3762450.610	222.95
LOCATION L0001857	VOLUME	448941.916	3762455.438	223.08
LOCATION L0001858	VOLUME	448955.057	3762460.267	223.26
LOCATION L0001859	VOLUME	448968.198	3762465.095	223.40
LOCATION L0001860	VOLUME	448981.339	3762469.924	223.46
LOCATION L0001861	VOLUME	448994.480	3762474.752	223.50
LOCATION L0001862	VOLUME	449007.621	3762479.580	223.55
LOCATION L0001863	VOLUME	449020.762	3762484.409	223.62
LOCATION L0001864	VOLUME	449033.903	3762489.237	223.80
LOCATION L0001865	VOLUME	449047.044	3762494.066	223.98
LOCATION L0001866	VOLUME	449060.185	3762498.894	224.05
LOCATION L0001867	VOLUME	449073.326	3762503.723	224.10
LOCATION L0001868	VOLUME	449086.467	3762508.551	224.15
LOCATION L0001869	VOLUME	449099.608	3762513.379	224.20
LOCATION L0001870	VOLUME	449112.749	3762518.208	224.25
LOCATION L0001871	VOLUME	449125.890	3762523.036	224.30
LOCATION L0001872	VOLUME	449139.031	3762527.865	224.35
LOCATION L0001873	VOLUME	449152.172	3762532.693	224.40
LOCATION L0001874	VOLUME	449165.313	3762537.522	224.45
LOCATION L0001875	VOLUME	449178.454	3762542.350	224.45
LOCATION L0001876	VOLUME	449191.595	3762547.178	224.48
LOCATION L0001877	VOLUME	449204.736	3762552.007	224.50
LOCATION L0001878	VOLUME	449217.877	3762556.835	224.46
LOCATION L0001879	VOLUME	449231.018	3762561.664	224.44
LOCATION L0001880	VOLUME	449244.159	3762566.492	224.49
LOCATION L0001881	VOLUME	449257.300	3762571.321	224.50
LOCATION L0001882	VOLUME	449270.441	3762576.149	224.42
LOCATION L0001883	VOLUME	449283.582	3762580.977	224.34

** End of LINE VOLUME Source ID = 2OR60

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = 2MC45

** DESCRSRC 6A MillCreek 45%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.99
 ** SZINIT = 3.25
 ** Nodes = 6
 ** 447576.163, 3762769.751, 227.38, 3.49, 4.00
 ** 447591.876, 3762664.814, 226.09, 3.49, 4.00
 ** 447601.415, 3762603.086, 225.46, 3.49, 4.00
 ** 447613.761, 3762526.768, 224.63, 3.49, 4.00
 ** 447623.862, 3762498.149, 224.31, 3.49, 4.00
 ** 447619.934, 3762425.198, 223.65, 3.49, 4.00

** LOCATION L0002266 VOLUME 447576.799 3762765.503 227.37
 LOCATION L0002267 VOLUME 447578.071 3762757.008 227.29
 LOCATION L0002268 VOLUME 447579.343 3762748.513 227.20
 LOCATION L0002269 VOLUME 447580.615 3762740.017 227.11
 LOCATION L0002270 VOLUME 447581.887 3762731.522 227.03
 LOCATION L0002271 VOLUME 447583.159 3762723.027 226.94
 LOCATION L0002272 VOLUME 447584.431 3762714.532 226.85
 LOCATION L0002273 VOLUME 447585.703 3762706.036 226.77
 LOCATION L0002274 VOLUME 447586.975 3762697.541 226.59
 LOCATION L0002275 VOLUME 447588.247 3762689.046 226.42
 LOCATION L0002276 VOLUME 447589.519 3762680.550 226.25
 LOCATION L0002277 VOLUME 447590.791 3762672.055 226.12
 LOCATION L0002278 VOLUME 447592.069 3762663.561 226.03
 LOCATION L0002279 VOLUME 447593.381 3762655.071 225.95
 LOCATION L0002280 VOLUME 447594.693 3762646.582 225.86
 LOCATION L0002281 VOLUME 447596.005 3762638.093 225.77
 LOCATION L0002282 VOLUME 447597.317 3762629.604 225.69
 LOCATION L0002283 VOLUME 447598.629 3762621.115 225.60
 LOCATION L0002284 VOLUME 447599.941 3762612.625 225.51
 LOCATION L0002285 VOLUME 447601.253 3762604.136 225.43
 LOCATION L0002286 VOLUME 447602.617 3762595.655 225.34
 LOCATION L0002287 VOLUME 447603.989 3762587.175 225.26
 LOCATION L0002288 VOLUME 447605.361 3762578.696 225.17
 LOCATION L0002289 VOLUME 447606.733 3762570.216 225.08
 LOCATION L0002290 VOLUME 447608.104 3762561.736 225.00
 LOCATION L0002291 VOLUME 447609.476 3762553.256 224.91
 LOCATION L0002292 VOLUME 447610.848 3762544.777 224.83
 LOCATION L0002293 VOLUME 447612.220 3762536.297 224.74
 LOCATION L0002294 VOLUME 447613.591 3762527.817 224.65
 LOCATION L0002295 VOLUME 447616.266 3762519.670 224.57
 LOCATION L0002296 VOLUME 447619.125 3762511.570 224.49
 LOCATION L0002297 VOLUME 447621.984 3762503.469 224.41
 LOCATION L0002298 VOLUME 447623.703 3762495.205 224.32
 LOCATION L0002299 VOLUME 447623.241 3762486.628 224.23
 LOCATION L0002300 VOLUME 447622.780 3762478.050 224.15
 LOCATION L0002301 VOLUME 447622.318 3762469.472 224.06
 LOCATION L0002302 VOLUME 447621.856 3762460.895 223.97
 LOCATION L0002303 VOLUME 447621.394 3762452.317 223.89
 LOCATION L0002304 VOLUME 447620.932 3762443.740 223.80
 LOCATION L0002305 VOLUME 447620.470 3762435.162 223.72
 LOCATION L0002306 VOLUME 447620.008 3762426.585 223.66

** End of LINE VOLUME Source ID = 2MC45

LOCATION 5CREFF VOLUME 447588.083 3762458.599 223.950
 ** DESCRSRC 5C Refuel
 LOCATION 5CSPILL VOLUME 447588.083 3762458.599 223.950
 ** DESCRSRC 5C Spill
 LOCATION 5CLOAD POINT 447587.960 3762475.120 224.120
 ** DESCRSRC 5C Load
 LOCATION 5CBRE POINT 447587.960 3762475.120 224.120
 ** DESCRSRC 5C Breathing
 LOCATION 10BREF VOLUME 448360.834 3762176.338 222.000
 ** DESCRSRC 10B Refuel
 LOCATION 10BSPILL VOLUME 448360.849 3762176.357 222.000
 ** DESCRSRC 10B Spill
 LOCATION 10BBREAT POINT 448348.589 3762163.060 222.000
 ** DESCRSRC 10B Breathing

LOCATION	10BLOAD	POINT	448348.589	3762163.060	222.000
**	DESCRSRC	10B Load			
LOCATION	4BREF	VOLUME	446867.676	3762342.136	222.770
**	DESCRSRC	4B Refuel			
LOCATION	4BSPILL	VOLUME	446867.691	3762342.155	222.770
**	DESCRSRC	4B Spill			
LOCATION	4BBREAT	POINT	446883.241	3762327.058	222.610
**	DESCRSRC	4B Breathing			
LOCATION	4BLOAD	POINT	446883.241	3762327.058	222.610
**	DESCRSRC	4B Load			
LOCATION	6BREF	VOLUME	448359.971	3762465.173	225.850
**	DESCRSRC	6B Refuel			
LOCATION	6BSPILL	VOLUME	448359.986	3762465.191	225.850
**	DESCRSRC	6B Spill			
LOCATION	6BBREAT	POINT	448344.715	3762485.143	226.050
**	DESCRSRC	6B Breathing			
LOCATION	6BLOAD	POINT	448344.715	3762485.143	226.050
**	DESCRSRC	6B Load			
LOCATION	8REF	VOLUME	448364.668	3762348.930	224.970
**	DESCRSRC	8 Refuel			
LOCATION	8SPILL	VOLUME	448364.683	3762348.949	224.970
**	DESCRSRC	8 Spill			
LOCATION	8BREAT	POINT	448350.586	3762332.501	224.800
**	DESCRSRC	8 Breathing			
LOCATION	8LOAD	POINT	448350.586	3762332.501	224.800
**	DESCRSRC	8 Load			
LOCATION	5BREF	VOLUME	447583.848	3762350.105	222.850
**	DESCRSRC	5B Refuel			
LOCATION	5BSPILL	VOLUME	447583.863	3762350.123	222.850
**	DESCRSRC	5B Spill			
LOCATION	5BBREAT	POINT	447570.940	3762334.850	222.660
**	DESCRSRC	5B Breathing			
LOCATION	5BLOAD	POINT	447570.940	3762334.850	222.660
**	DESCRSRC	5B Load			
**	Source Parameters **				
**	LINE VOLUME Source ID = 2CIDLE				
	SRCPARAM	L0000119	0.0666666667	3.49	4.00
	SRCPARAM	L0000120	0.0666666667	3.49	4.00
	SRCPARAM	L0000121	0.0666666667	3.49	4.00
	SRCPARAM	L0000122	0.0666666667	3.49	4.00
	SRCPARAM	L0000123	0.0666666667	3.49	4.00
	SRCPARAM	L0000124	0.0666666667	3.49	4.00
	SRCPARAM	L0000125	0.0666666667	3.49	4.00
	SRCPARAM	L0000126	0.0666666667	3.49	4.00
	SRCPARAM	L0000127	0.0666666667	3.49	4.00
	SRCPARAM	L0000128	0.0666666667	3.49	4.00
	SRCPARAM	L0000129	0.0666666667	3.49	4.00
	SRCPARAM	L0000130	0.0666666667	3.49	4.00
	SRCPARAM	L0000131	0.0666666667	3.49	4.00
	SRCPARAM	L0000132	0.0666666667	3.49	4.00
	SRCPARAM	L0000133	0.0666666667	3.49	4.00
**	-----				
**	LINE VOLUME Source ID = 3CIDLE				
	SRCPARAM	L0000104	0.0666666667	3.49	4.00
	SRCPARAM	L0000105	0.0666666667	3.49	4.00
	SRCPARAM	L0000106	0.0666666667	3.49	4.00
	SRCPARAM	L0000107	0.0666666667	3.49	4.00
	SRCPARAM	L0000108	0.0666666667	3.49	4.00
	SRCPARAM	L0000109	0.0666666667	3.49	4.00
	SRCPARAM	L0000110	0.0666666667	3.49	4.00
	SRCPARAM	L0000111	0.0666666667	3.49	4.00
	SRCPARAM	L0000112	0.0666666667	3.49	4.00
	SRCPARAM	L0000113	0.0666666667	3.49	4.00
	SRCPARAM	L0000114	0.0666666667	3.49	4.00
	SRCPARAM	L0000115	0.0666666667	3.49	4.00
	SRCPARAM	L0000116	0.0666666667	3.49	4.00

SRCPARAM L0000117	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000118	0.0666666667	3.49	4.00	3.25

**

** LINE VOLUME Source ID = 5AIDLE

SRCPARAM L0000089	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000090	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000091	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000092	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000093	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000094	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000095	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000096	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000097	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000098	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000099	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000100	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000101	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000102	0.0666666667	3.49	4.00	3.25
SRCPARAM L0000103	0.0666666667	3.49	4.00	3.25

**

** LINE VOLUME Source ID = 2CON

SRCPARAM L0000134	0.01	3.49	4.00	3.25
SRCPARAM L0000135	0.01	3.49	4.00	3.25
SRCPARAM L0000136	0.01	3.49	4.00	3.25
SRCPARAM L0000137	0.01	3.49	4.00	3.25
SRCPARAM L0000138	0.01	3.49	4.00	3.25
SRCPARAM L0000139	0.01	3.49	4.00	3.25
SRCPARAM L0000140	0.01	3.49	4.00	3.25
SRCPARAM L0000141	0.01	3.49	4.00	3.25
SRCPARAM L0000142	0.01	3.49	4.00	3.25
SRCPARAM L0000143	0.01	3.49	4.00	3.25
SRCPARAM L0000144	0.01	3.49	4.00	3.25
SRCPARAM L0000145	0.01	3.49	4.00	3.25
SRCPARAM L0000146	0.01	3.49	4.00	3.25
SRCPARAM L0000147	0.01	3.49	4.00	3.25
SRCPARAM L0000148	0.01	3.49	4.00	3.25
SRCPARAM L0000149	0.01	3.49	4.00	3.25
SRCPARAM L0000150	0.01	3.49	4.00	3.25
SRCPARAM L0000151	0.01	3.49	4.00	3.25
SRCPARAM L0000152	0.01	3.49	4.00	3.25
SRCPARAM L0000153	0.01	3.49	4.00	3.25
SRCPARAM L0000154	0.01	3.49	4.00	3.25
SRCPARAM L0000155	0.01	3.49	4.00	3.25
SRCPARAM L0000156	0.01	3.49	4.00	3.25
SRCPARAM L0000157	0.01	3.49	4.00	3.25
SRCPARAM L0000158	0.01	3.49	4.00	3.25
SRCPARAM L0000159	0.01	3.49	4.00	3.25
SRCPARAM L0000160	0.01	3.49	4.00	3.25
SRCPARAM L0000161	0.01	3.49	4.00	3.25
SRCPARAM L0000162	0.01	3.49	4.00	3.25
SRCPARAM L0000163	0.01	3.49	4.00	3.25
SRCPARAM L0000164	0.01	3.49	4.00	3.25
SRCPARAM L0000165	0.01	3.49	4.00	3.25
SRCPARAM L0000166	0.01	3.49	4.00	3.25
SRCPARAM L0000167	0.01	3.49	4.00	3.25
SRCPARAM L0000168	0.01	3.49	4.00	3.25
SRCPARAM L0000169	0.01	3.49	4.00	3.25
SRCPARAM L0000170	0.01	3.49	4.00	3.25
SRCPARAM L0000171	0.01	3.49	4.00	3.25
SRCPARAM L0000172	0.01	3.49	4.00	3.25
SRCPARAM L0000173	0.01	3.49	4.00	3.25
SRCPARAM L0000174	0.01	3.49	4.00	3.25
SRCPARAM L0000175	0.01	3.49	4.00	3.25
SRCPARAM L0000176	0.01	3.49	4.00	3.25
SRCPARAM L0000177	0.01	3.49	4.00	3.25
SRCPARAM L0000178	0.01	3.49	4.00	3.25

SRCPARAM	L0002279	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002280	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002281	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002282	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002283	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002284	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002285	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002286	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002287	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002288	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002289	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002290	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002291	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002292	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002293	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002294	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002295	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002296	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002297	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002298	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002299	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002300	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002301	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002302	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002303	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002304	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002305	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0002306	0.0243902439	3.49	4.00	3.25

**

SRCPARAM	5CREF	1.0	1.000	4.651	2.330		
SRCPARAM	5CSPILL	1.0	0.000	4.651	2.330		
SRCPARAM	5CLOAD	1.0	3.660	291.480	0.001	0.051	
SRCPARAM	5CBRE	1.0	3.660	288.710	0	0.051	
SRCPARAM	10BREF	1.0	1.000	4.651	2.330		
SRCPARAM	10BSPILL	1.0	0.000	4.651	2.330		
SRCPARAM	10BBREAT	1.0	3.660	288.710	0	0.051	
SRCPARAM	10BLOAD	1.0	3.660	291.480	0.001	0.051	
SRCPARAM	4BREF	1.0	1.000	4.651	2.330		
SRCPARAM	4BSPILL	1.0	0.000	4.651	2.330		
SRCPARAM	4BBREAT	1.0	3.660	288.710	0	0.051	
SRCPARAM	4BLOAD	1.0	3.660	291.480	0.001	0.051	
SRCPARAM	6BREF	1.0	1.000	4.651	2.330		
SRCPARAM	6BSPILL	1.0	0.000	4.651	2.330		
SRCPARAM	6BBREAT	1.0	3.660	288.710	0	0.051	
SRCPARAM	6BLOAD	1.0	3.660	291.480	0.001	0.051	
SRCPARAM	8REF	1.0	1.000	4.651	2.330		
SRCPARAM	8SPILL	1.0	0.000	4.651	2.330		
SRCPARAM	8BREAT	1.0	3.660	288.710	0	0.051	
SRCPARAM	8LOAD	1.0	3.660	291.480	0.001	0.051	
SRCPARAM	5BREF	1.0	1.000	4.651	2.330		
SRCPARAM	5BSPILL	1.0	0.000	4.651	2.330		
SRCPARAM	5BBREAT	1.0	3.660	288.710	0	0.051	
SRCPARAM	5BLOAD	1.0	3.660	291.480	0.001	0.051	
URBANSRC	ALL						
SRCGROUP	10BBREAT	10BBREAT					
SRCGROUP	10BLOAD	10BLOAD					
SRCGROUP	10BREF	10BREF					
SRCGROUP	10BSPILL	10BSPILL					
SRCGROUP	1H25	L0000924	L0000925	L0000926	L0000927	L0000928	L0000929
SRCGROUP	1H25	L0000930	L0000931	L0000932	L0000933	L0000934	L0000935
SRCGROUP	1H25	L0000936	L0000937	L0000938	L0000939	L0000940	L0000941
SRCGROUP	1H25	L0000942	L0000943	L0000944	L0000945	L0000946	L0000947
SRCGROUP	1H25	L0000948	L0000949	L0000950	L0000951	L0000952	L0000953
SRCGROUP	1H25	L0000954	L0000955	L0000956	L0000957	L0000958	L0000959
SRCGROUP	1H25	L0000960	L0000961	L0000962	L0000963	L0000964	L0000965
SRCGROUP	1H25	L0000966	L0000967	L0000968	L0000969	L0000970	L0000971

SRCGROUP	1H25	L0000972	L0000973	L0000974	L0000975	L0000976	L0000977
SRCGROUP	1H25	L0000978	L0000979	L0000980	L0000981	L0000982	L0000983
SRCGROUP	1H25	L0000984	L0000985	L0000986	L0000987	L0000988	L0000989
SRCGROUP	1H25	L0000990	L0000991	L0000992	L0000993	L0000994	L0000995
SRCGROUP	1H25	L0000996	L0000997	L0000998	L0000999	L0001000	L0001001
SRCGROUP	1H25	L0001002	L0001003	L0001004	L0001005	L0001006	L0001007
SRCGROUP	1H25	L0001008	L0001009	L0001010	L0001011	L0001012	L0001013
SRCGROUP	1H25	L0001014	L0001015	L0001016	L0001017	L0001018	L0001019
SRCGROUP	1H25	L0001020	L0001021	L0001022	L0001023	L0001024	L0001025
SRCGROUP	1H25	L0001026	L0001027	L0001028	L0001029	L0001030	L0001031
SRCGROUP	1H25	L0001032	L0001033	L0001034	L0001035	L0001036	L0001037
SRCGROUP	1H25	L0001038	L0001039	L0001040	L0001041	L0001042	L0001043
SRCGROUP	1H25	L0001044	L0001045	L0001046	L0001047	L0001048	L0001049
SRCGROUP	1H25	L0001050	L0001051	L0001052	L0001053	L0001054	L0001055
SRCGROUP	1H25	L0001056	L0001057	L0001058	L0001059	L0001060	L0001061
SRCGROUP	1H25	L0001062	L0001063	L0001064	L0001065	L0001066	L0001067
SRCGROUP	1H25	L0001068	L0001069	L0001070	L0001071	L0001072	L0001073
SRCGROUP	1H25	L0001074	L0001075	L0001076	L0001077	L0001078	L0001079
SRCGROUP	1H25	L0001080	L0001081	L0001082	L0001083	L0001084	L0001085
SRCGROUP	1H25	L0001086	L0001087	L0001088	L0001089	L0001090	L0001091
SRCGROUP	1H25	L0001092	L0001093	L0001094	L0001095	L0001096	L0001097
SRCGROUP	1H25	L0001098	L0001099	L0001100	L0001101	L0001102	L0001103
SRCGROUP	1H25	L0001104	L0001105	L0001106	L0001107	L0001108	L0001109
SRCGROUP	1H25	L0001110	L0001111	L0001112	L0001113	L0001114	
SRCGROUP	1MC100	L0000510	L0000511	L0000512	L0000513	L0000514	L0000515
SRCGROUP	1MC100	L0000516	L0000517	L0000518	L0000519	L0000520	L0000521
SRCGROUP	1MC100	L0000522	L0000523	L0000524	L0000525	L0000526	L0000527
SRCGROUP	1MC100	L0000528	L0000529	L0000530	L0000531	L0000532	L0000533
SRCGROUP	1MC100	L0000534	L0000535	L0000536	L0000537	L0000538	L0000539
SRCGROUP	1MC100	L0000540	L0000541	L0000542	L0000543	L0000544	L0000545
SRCGROUP	1MC100	L0000546	L0000547	L0000548	L0000549	L0000550	L0000551
SRCGROUP	1MC100	L0000552	L0000553	L0000554	L0000555	L0000556	L0000557
SRCGROUP	1MC100	L0000558	L0000559	L0000560	L0000561	L0000562	L0000563
SRCGROUP	1MC100	L0000564	L0000565	L0000566	L0000567	L0000568	L0000569
SRCGROUP	1MC100	L0000570	L0000571	L0000572	L0000573	L0000574	L0000575
SRCGROUP	1MC100	L0000576	L0000577	L0000578	L0000579	L0000580	L0000581
SRCGROUP	1MC100	L0000582	L0000583	L0000584	L0000585	L0000586	L0000587
SRCGROUP	1MC100	L0000588	L0000589	L0000590	L0000591	L0000592	L0000593
SRCGROUP	1MC100	L0000594	L0000595	L0000596	L0000597	L0000598	L0000599
SRCGROUP	1MC100	L0000600	L0000601	L0000602	L0000603	L0000604	L0000605
SRCGROUP	1MC100	L0000606	L0000607	L0000608	L0000609	L0000610	L0000611
SRCGROUP	1MC100	L0000612	L0000613	L0000614	L0000615	L0000616	L0000617
SRCGROUP	1MC100	L0000618	L0000619	L0000620	L0000621	L0000622	L0000623
SRCGROUP	1MC100	L0000624	L0000625	L0000626	L0000627	L0000628	L0000629
SRCGROUP	1MC100	L0000630	L0000631	L0000632	L0000633		
SRCGROUP	1OR15	L0000634	L0000635	L0000636	L0000637	L0000638	L0000639
SRCGROUP	1OR15	L0000640	L0000641	L0000642	L0000643	L0000644	L0000645
SRCGROUP	1OR15	L0000646	L0000647	L0000648	L0000649	L0000650	L0000651
SRCGROUP	1OR15	L0000652	L0000653	L0000654	L0000655	L0000656	L0000657
SRCGROUP	1OR15	L0000658	L0000659	L0000660	L0000661	L0000662	L0000663
SRCGROUP	1OR15	L0000664	L0000665	L0000666	L0000667	L0000668	L0000669
SRCGROUP	1OR15	L0000670	L0000671	L0000672	L0000673	L0000674	L0000675
SRCGROUP	1OR15	L0000676	L0000677	L0000678	L0000679	L0000680	L0000681
SRCGROUP	1OR15	L0000682	L0000683	L0000684	L0000685	L0000686	L0000687
SRCGROUP	1OR15	L0000688	L0000689	L0000690	L0000691	L0000692	L0000693
SRCGROUP	1OR15	L0000694	L0000695	L0000696	L0000697	L0000698	L0000699
SRCGROUP	1OR15	L0000700	L0000701	L0000702	L0000703	L0000704	L0000705
SRCGROUP	1OR15	L0000706	L0000707	L0000708	L0000709	L0000710	L0000711
SRCGROUP	1OR15	L0000712	L0000713	L0000714	L0000715	L0000716	L0000717
SRCGROUP	1OR15	L0000718	L0000719	L0000720	L0000721	L0000722	L0000723
SRCGROUP	1OR15	L0000724	L0000725	L0000726	L0000727	L0000728	L0000729
SRCGROUP	1OR15	L0000730	L0000731	L0000732	L0000733	L0000734	L0000735
SRCGROUP	1OR15	L0000736	L0000737	L0000738	L0000739	L0000740	L0000741
SRCGROUP	1OR15	L0000742	L0000743	L0000744	L0000745	L0000746	L0000747
SRCGROUP	1OR15	L0000748	L0000749	L0000750	L0000751	L0000752	L0000753
SRCGROUP	1OR15	L0000754	L0000755	L0000756	L0000757	L0000758	L0000759

SRCGROUP	1OR15	L0000760	L0000761	L0000762	L0000763	L0000764	L0000765
SRCGROUP	1OR15	L0000766	L0000767	L0000768	L0000769	L0000770	L0000771
SRCGROUP	1OR15	L0000772	L0000773	L0000774	L0000775	L0000776	L0000777
SRCGROUP	1OR15	L0000778	L0000779	L0000780	L0000781	L0000782	L0000783
SRCGROUP	1OR15	L0000784	L0000785	L0000786	L0000787	L0000788	L0000789
SRCGROUP	1OR15	L0000790	L0000791	L0000792	L0000793	L0000794	L0000795
SRCGROUP	1OR15	L0000796	L0000797	L0000798	L0000799	L0000800	L0000801
SRCGROUP	1OR15	L0000802	L0000803	L0000804	L0000805	L0000806	L0000807
SRCGROUP	1OR15	L0000808	L0000809	L0000810	L0000811	L0000812	L0000813
SRCGROUP	1OR15	L0000814	L0000815	L0000816	L0000817	L0000818	L0000819
SRCGROUP	1OR15	L0000820	L0000821	L0000822	L0000823	L0000824	L0000825
SRCGROUP	1OR15	L0000826	L0000827	L0000828	L0000829	L0000830	L0000831
SRCGROUP	1OR15	L0000832	L0000833	L0000834	L0000835	L0000836	L0000837
SRCGROUP	1OR15	L0000838	L0000839	L0000840	L0000841	L0000842	L0000843
SRCGROUP	1OR15	L0000844	L0000845	L0000846	L0000847	L0000848	L0000849
SRCGROUP	1OR15	L0000850	L0000851	L0000852	L0000853	L0000854	L0000855
SRCGROUP	1OR15	L0000856	L0000857	L0000858	L0000859	L0000860	L0000861
SRCGROUP	1OR15	L0000862	L0000863	L0000864	L0000865	L0000866	
SRCGROUP	1OR60	L0001115	L0001116	L0001117	L0001118	L0001119	L0001120
SRCGROUP	1OR60	L0001121	L0001122	L0001123	L0001124	L0001125	L0001126
SRCGROUP	1OR60	L0001127	L0001128	L0001129	L0001130	L0001131	L0001132
SRCGROUP	1OR60	L0001133	L0001134	L0001135	L0001136	L0001137	L0001138
SRCGROUP	1OR60	L0001139	L0001140	L0001141	L0001142	L0001143	L0001144
SRCGROUP	1OR60	L0001145	L0001146	L0001147	L0001148	L0001149	L0001150
SRCGROUP	1OR60	L0001151	L0001152	L0001153	L0001154	L0001155	L0001156
SRCGROUP	1OR60	L0001157	L0001158	L0001159	L0001160	L0001161	L0001162
SRCGROUP	1OR60	L0001163	L0001164	L0001165	L0001166	L0001167	L0001168
SRCGROUP	1OR60	L0001169	L0001170	L0001171	L0001172	L0001173	L0001174
SRCGROUP	1OR60	L0001175	L0001176	L0001177			
SRCGROUP	1OR85	L0000867	L0000868	L0000869	L0000870	L0000871	L0000872
SRCGROUP	1OR85	L0000873	L0000874	L0000875	L0000876	L0000877	L0000878
SRCGROUP	1OR85	L0000879	L0000880	L0000881	L0000882	L0000883	L0000884
SRCGROUP	1OR85	L0000885	L0000886	L0000887	L0000888	L0000889	L0000890
SRCGROUP	1OR85	L0000891	L0000892	L0000893	L0000894	L0000895	L0000896
SRCGROUP	1OR85	L0000897	L0000898	L0000899	L0000900	L0000901	L0000902
SRCGROUP	1OR85	L0000903	L0000904	L0000905	L0000906	L0000907	L0000908
SRCGROUP	1OR85	L0000909	L0000910	L0000911	L0000912	L0000913	L0000914
SRCGROUP	1OR85	L0000915	L0000916	L0000917	L0000918	L0000919	L0000920
SRCGROUP	1OR85	L0000921	L0000922	L0000923			
SRCGROUP	2CIDLE	L0000119	L0000120	L0000121	L0000122	L0000123	L0000124
SRCGROUP	2CIDLE	L0000125	L0000126	L0000127	L0000128	L0000129	L0000130
SRCGROUP	2CIDLE	L0000131	L0000132	L0000133			
SRCGROUP	2CON	L0000134	L0000135	L0000136	L0000137	L0000138	L0000139
SRCGROUP	2CON	L0000140	L0000141	L0000142	L0000143	L0000144	L0000145
SRCGROUP	2CON	L0000146	L0000147	L0000148	L0000149	L0000150	L0000151
SRCGROUP	2CON	L0000152	L0000153	L0000154	L0000155	L0000156	L0000157
SRCGROUP	2CON	L0000158	L0000159	L0000160	L0000161	L0000162	L0000163
SRCGROUP	2CON	L0000164	L0000165	L0000166	L0000167	L0000168	L0000169
SRCGROUP	2CON	L0000170	L0000171	L0000172	L0000173	L0000174	L0000175
SRCGROUP	2CON	L0000176	L0000177	L0000178	L0000179	L0000180	L0000181
SRCGROUP	2CON	L0000182	L0000183	L0000184	L0000185	L0000186	L0000187
SRCGROUP	2CON	L0000188	L0000189	L0000190	L0000191	L0000192	L0000193
SRCGROUP	2CON	L0000194	L0000195	L0000196	L0000197	L0000198	L0000199
SRCGROUP	2CON	L0000200	L0000201	L0000202	L0000203	L0000204	L0000205
SRCGROUP	2CON	L0000206	L0000207	L0000208	L0000209	L0000210	L0000211
SRCGROUP	2CON	L0000212	L0000213	L0000214	L0000215	L0000216	L0000217
SRCGROUP	2CON	L0000218	L0000219	L0000220	L0000221	L0000222	L0000223
SRCGROUP	2CON	L0000224	L0000225	L0000226	L0000227	L0000228	L0000229
SRCGROUP	2CON	L0000230	L0000231	L0000232	L0000233		
SRCGROUP	2H25	L0002075	L0002076	L0002077	L0002078	L0002079	L0002080
SRCGROUP	2H25	L0002081	L0002082	L0002083	L0002084	L0002085	L0002086
SRCGROUP	2H25	L0002087	L0002088	L0002089	L0002090	L0002091	L0002092
SRCGROUP	2H25	L0002093	L0002094	L0002095	L0002096	L0002097	L0002098
SRCGROUP	2H25	L0002099	L0002100	L0002101	L0002102	L0002103	L0002104
SRCGROUP	2H25	L0002105	L0002106	L0002107	L0002108	L0002109	L0002110
SRCGROUP	2H25	L0002111	L0002112	L0002113	L0002114	L0002115	L0002116

SRCGROUP	2H25	L0002117	L0002118	L0002119	L0002120	L0002121	L0002122
SRCGROUP	2H25	L0002123	L0002124	L0002125	L0002126	L0002127	L0002128
SRCGROUP	2H25	L0002129	L0002130	L0002131	L0002132	L0002133	L0002134
SRCGROUP	2H25	L0002135	L0002136	L0002137	L0002138	L0002139	L0002140
SRCGROUP	2H25	L0002141	L0002142	L0002143	L0002144	L0002145	L0002146
SRCGROUP	2H25	L0002147	L0002148	L0002149	L0002150	L0002151	L0002152
SRCGROUP	2H25	L0002153	L0002154	L0002155	L0002156	L0002157	L0002158
SRCGROUP	2H25	L0002159	L0002160	L0002161	L0002162	L0002163	L0002164
SRCGROUP	2H25	L0002165	L0002166	L0002167	L0002168	L0002169	L0002170
SRCGROUP	2H25	L0002171	L0002172	L0002173	L0002174	L0002175	L0002176
SRCGROUP	2H25	L0002177	L0002178	L0002179	L0002180	L0002181	L0002182
SRCGROUP	2H25	L0002183	L0002184	L0002185	L0002186	L0002187	L0002188
SRCGROUP	2H25	L0002189	L0002190	L0002191	L0002192	L0002193	L0002194
SRCGROUP	2H25	L0002195	L0002196	L0002197	L0002198	L0002199	L0002200
SRCGROUP	2H25	L0002201	L0002202	L0002203	L0002204	L0002205	L0002206
SRCGROUP	2H25	L0002207	L0002208	L0002209	L0002210	L0002211	L0002212
SRCGROUP	2H25	L0002213	L0002214	L0002215	L0002216	L0002217	L0002218
SRCGROUP	2H25	L0002219	L0002220	L0002221	L0002222	L0002223	L0002224
SRCGROUP	2H25	L0002225	L0002226	L0002227	L0002228	L0002229	L0002230
SRCGROUP	2H25	L0002231	L0002232	L0002233	L0002234	L0002235	L0002236
SRCGROUP	2H25	L0002237	L0002238	L0002239	L0002240	L0002241	L0002242
SRCGROUP	2H25	L0002243	L0002244	L0002245	L0002246	L0002247	L0002248
SRCGROUP	2H25	L0002249	L0002250	L0002251	L0002252	L0002253	L0002254
SRCGROUP	2H25	L0002255	L0002256	L0002257	L0002258	L0002259	L0002260
SRCGROUP	2H25	L0002261	L0002262	L0002263	L0002264	L0002265	
SRCGROUP	2MC45	L0002266	L0002267	L0002268	L0002269	L0002270	L0002271
SRCGROUP	2MC45	L0002272	L0002273	L0002274	L0002275	L0002276	L0002277
SRCGROUP	2MC45	L0002278	L0002279	L0002280	L0002281	L0002282	L0002283
SRCGROUP	2MC45	L0002284	L0002285	L0002286	L0002287	L0002288	L0002289
SRCGROUP	2MC45	L0002290	L0002291	L0002292	L0002293	L0002294	L0002295
SRCGROUP	2MC45	L0002296	L0002297	L0002298	L0002299	L0002300	L0002301
SRCGROUP	2MC45	L0002302	L0002303	L0002304	L0002305	L0002306	
SRCGROUP	2OR15	L0001178	L0001179	L0001180	L0001181	L0001182	L0001183
SRCGROUP	2OR15	L0001184	L0001185	L0001186	L0001187	L0001188	L0001189
SRCGROUP	2OR15	L0001190	L0001191	L0001192	L0001193	L0001194	L0001195
SRCGROUP	2OR15	L0001196	L0001197	L0001198	L0001199	L0001200	L0001201
SRCGROUP	2OR15	L0001202	L0001203	L0001204	L0001205	L0001206	L0001207
SRCGROUP	2OR15	L0001208	L0001209	L0001210	L0001211	L0001212	L0001213
SRCGROUP	2OR15	L0001214	L0001215	L0001216	L0001217	L0001218	L0001219
SRCGROUP	2OR15	L0001220	L0001221	L0001222	L0001223	L0001224	L0001225
SRCGROUP	2OR15	L0001226	L0001227	L0001228	L0001229	L0001230	L0001231
SRCGROUP	2OR15	L0001232	L0001233	L0001234	L0001235	L0001236	L0001237
SRCGROUP	2OR15	L0001238	L0001239	L0001240	L0001241	L0001242	L0001243
SRCGROUP	2OR15	L0001244	L0001245	L0001246	L0001247	L0001248	L0001249
SRCGROUP	2OR15	L0001250	L0001251	L0001252	L0001253	L0001254	L0001255
SRCGROUP	2OR15	L0001256	L0001257	L0001258	L0001259	L0001260	L0001261
SRCGROUP	2OR15	L0001262	L0001263	L0001264	L0001265	L0001266	L0001267
SRCGROUP	2OR15	L0001268	L0001269	L0001270	L0001271	L0001272	L0001273
SRCGROUP	2OR15	L0001274	L0001275	L0001276	L0001277	L0001278	L0001279
SRCGROUP	2OR15	L0001280	L0001281	L0001282	L0001283	L0001284	L0001285
SRCGROUP	2OR15	L0001286	L0001287	L0001288	L0001289	L0001290	L0001291
SRCGROUP	2OR15	L0001292	L0001293	L0001294	L0001295	L0001296	L0001297
SRCGROUP	2OR15	L0001298	L0001299	L0001300	L0001301	L0001302	L0001303
SRCGROUP	2OR15	L0001304	L0001305	L0001306	L0001307	L0001308	L0001309
SRCGROUP	2OR15	L0001310	L0001311	L0001312	L0001313	L0001314	L0001315
SRCGROUP	2OR15	L0001316	L0001317	L0001318	L0001319	L0001320	L0001321
SRCGROUP	2OR15	L0001322	L0001323	L0001324	L0001325	L0001326	L0001327
SRCGROUP	2OR15	L0001328	L0001329	L0001330	L0001331	L0001332	L0001333
SRCGROUP	2OR15	L0001334	L0001335	L0001336	L0001337	L0001338	L0001339
SRCGROUP	2OR15	L0001340	L0001341	L0001342	L0001343	L0001344	L0001345
SRCGROUP	2OR15	L0001346	L0001347	L0001348	L0001349	L0001350	L0001351
SRCGROUP	2OR15	L0001352	L0001353	L0001354	L0001355	L0001356	L0001357
SRCGROUP	2OR15	L0001358	L0001359	L0001360	L0001361	L0001362	L0001363
SRCGROUP	2OR15	L0001364	L0001365	L0001366	L0001367	L0001368	L0001369
SRCGROUP	2OR15	L0001370	L0001371	L0001372	L0001373	L0001374	L0001375
SRCGROUP	2OR15	L0001376	L0001377	L0001378	L0001379	L0001380	L0001381

SRCGROUP	2OR15	L0001382	L0001383	L0001384	L0001385	L0001386	L0001387
SRCGROUP	2OR15	L0001388	L0001389	L0001390	L0001391	L0001392	L0001393
SRCGROUP	2OR15	L0001394	L0001395	L0001396	L0001397	L0001398	L0001399
SRCGROUP	2OR15	L0001400	L0001401	L0001402	L0001403	L0001404	L0001405
SRCGROUP	2OR15	L0001406	L0001407	L0001408	L0001409	L0001410	
SRCGROUP	2OR30	L0001701	L0001702	L0001703	L0001704	L0001705	L0001706
SRCGROUP	2OR30	L0001707	L0001708	L0001709	L0001710	L0001711	L0001712
SRCGROUP	2OR30	L0001713	L0001714	L0001715	L0001716	L0001717	L0001718
SRCGROUP	2OR30	L0001719	L0001720	L0001721	L0001722	L0001723	L0001724
SRCGROUP	2OR30	L0001725	L0001726	L0001727	L0001728	L0001729	L0001730
SRCGROUP	2OR30	L0001731	L0001732	L0001733	L0001734	L0001735	L0001736
SRCGROUP	2OR30	L0001737	L0001738	L0001739	L0001740	L0001741	L0001742
SRCGROUP	2OR30	L0001743	L0001744	L0001745	L0001746	L0001747	L0001748
SRCGROUP	2OR30	L0001749	L0001750	L0001751	L0001752	L0001753	L0001754
SRCGROUP	2OR30	L0001755	L0001756	L0001757			
SRCGROUP	2OR60	L0001821	L0001822	L0001823	L0001824	L0001825	L0001826
SRCGROUP	2OR60	L0001827	L0001828	L0001829	L0001830	L0001831	L0001832
SRCGROUP	2OR60	L0001833	L0001834	L0001835	L0001836	L0001837	L0001838
SRCGROUP	2OR60	L0001839	L0001840	L0001841	L0001842	L0001843	L0001844
SRCGROUP	2OR60	L0001845	L0001846	L0001847	L0001848	L0001849	L0001850
SRCGROUP	2OR60	L0001851	L0001852	L0001853	L0001854	L0001855	L0001856
SRCGROUP	2OR60	L0001857	L0001858	L0001859	L0001860	L0001861	L0001862
SRCGROUP	2OR60	L0001863	L0001864	L0001865	L0001866	L0001867	L0001868
SRCGROUP	2OR60	L0001869	L0001870	L0001871	L0001872	L0001873	L0001874
SRCGROUP	2OR60	L0001875	L0001876	L0001877	L0001878	L0001879	L0001880
SRCGROUP	2OR60	L0001881	L0001882	L0001883			
SRCGROUP	3CIDLE	L0000104	L0000105	L0000106	L0000107	L0000108	L0000109
SRCGROUP	3CIDLE	L0000110	L0000111	L0000112	L0000113	L0000114	L0000115
SRCGROUP	3CIDLE	L0000116	L0000117	L0000118			
SRCGROUP	3CON	L0000234	L0000235	L0000236	L0000237	L0000238	L0000239
SRCGROUP	3CON	L0000240	L0000241	L0000242	L0000243	L0000244	L0000245
SRCGROUP	3CON	L0000246	L0000247	L0000248	L0000249	L0000250	L0000251
SRCGROUP	3CON	L0000252	L0000253	L0000254	L0000255	L0000256	L0000257
SRCGROUP	3CON	L0000258	L0000259	L0000260	L0000261	L0000262	L0000263
SRCGROUP	3CON	L0000264	L0000265	L0000266	L0000267	L0000268	L0000269
SRCGROUP	3CON	L0000270	L0000271	L0000272	L0000273	L0000274	L0000275
SRCGROUP	3CON	L0000276	L0000277	L0000278	L0000279	L0000280	L0000281
SRCGROUP	3CON	L0000282	L0000283	L0000284	L0000285	L0000286	L0000287
SRCGROUP	3CON	L0000288	L0000289	L0000290	L0000291	L0000292	L0000293
SRCGROUP	3CON	L0000294	L0000295	L0000296	L0000297	L0000298	L0000299
SRCGROUP	3CON	L0000300	L0000301	L0000302	L0000303	L0000304	L0000305
SRCGROUP	3CON	L0000306	L0000307	L0000308	L0000309	L0000310	L0000311
SRCGROUP	3CON	L0000312	L0000313	L0000314	L0000315	L0000316	L0000317
SRCGROUP	3CON	L0000318	L0000319	L0000320	L0000321	L0000322	L0000323
SRCGROUP	3CON	L0000324	L0000325				
SRCGROUP	4BBREAT	4BBREAT					
SRCGROUP	4BLOAD	4BLOAD					
SRCGROUP	4BREF	4BREF					
SRCGROUP	4BSPILL	4BSPILL					
SRCGROUP	5AIDLE	L0000089	L0000090	L0000091	L0000092	L0000093	L0000094
SRCGROUP	5AIDLE	L0000095	L0000096	L0000097	L0000098	L0000099	L0000100
SRCGROUP	5AIDLE	L0000101	L0000102	L0000103			
SRCGROUP	5AON	L0000326	L0000327	L0000328	L0000329	L0000330	L0000331
SRCGROUP	5AON	L0000332	L0000333	L0000334	L0000335	L0000336	L0000337
SRCGROUP	5AON	L0000338	L0000339	L0000340	L0000341	L0000342	L0000343
SRCGROUP	5AON	L0000344	L0000345	L0000346	L0000347	L0000348	L0000349
SRCGROUP	5AON	L0000350	L0000351	L0000352	L0000353	L0000354	L0000355
SRCGROUP	5AON	L0000356	L0000357	L0000358	L0000359	L0000360	L0000361
SRCGROUP	5AON	L0000362	L0000363	L0000364	L0000365	L0000366	L0000367
SRCGROUP	5AON	L0000368	L0000369	L0000370	L0000371	L0000372	L0000373
SRCGROUP	5AON	L0000374	L0000375	L0000376	L0000377	L0000378	L0000379
SRCGROUP	5AON	L0000380	L0000381				
SRCGROUP	5BBREAT	5BBREAT					
SRCGROUP	5BLOAD	5BLOAD					
SRCGROUP	5BREF	5BREF					
SRCGROUP	5BSPILL	5BSPILL					

SRCGROUP 5CBRE 5CBRE
SRCGROUP 5CLOAD 5CLOAD
SRCGROUP 5CREF 5CREF
SRCGROUP 5CSPILL 5CSPILL
SRCGROUP 6AIDLE L0000382 L0000383 L0000384 L0000385 L0000386 L0000387
SRCGROUP 6AIDLE L0000388 L0000389 L0000390 L0000391 L0000392 L0000393
SRCGROUP 6AIDLE L0000394 L0000395 L0000396 L0000397 L0000398 L0000399
SRCGROUP 6AIDLE L0000400 L0000401 L0000402 L0000403 L0000404 L0000405
SRCGROUP 6AIDLE L0000406 L0000407 L0000408 L0000409 L0000410 L0000411
SRCGROUP 6AIDLE L0000412 L0000413 L0000414 L0000415 L0000416
SRCGROUP 6AON L0000417 L0000418 L0000419 L0000420 L0000421 L0000422
SRCGROUP 6AON L0000423 L0000424 L0000425 L0000426 L0000427 L0000428
SRCGROUP 6AON L0000429 L0000430 L0000431 L0000432 L0000433 L0000434
SRCGROUP 6AON L0000435 L0000436 L0000437 L0000438 L0000439 L0000440
SRCGROUP 6AON L0000441 L0000442 L0000443 L0000444 L0000445 L0000446
SRCGROUP 6AON L0000447 L0000448 L0000449 L0000450 L0000451 L0000452
SRCGROUP 6AON L0000453 L0000454 L0000455 L0000456 L0000457 L0000458
SRCGROUP 6AON L0000459 L0000460 L0000461 L0000462 L0000463 L0000464
SRCGROUP 6AON L0000465 L0000466 L0000467 L0000468 L0000469 L0000470
SRCGROUP 6AON L0000471 L0000472 L0000473 L0000474 L0000475 L0000476
SRCGROUP 6AON L0000477 L0000478 L0000479 L0000480 L0000481 L0000482
SRCGROUP 6AON L0000483 L0000484 L0000485 L0000486 L0000487 L0000488
SRCGROUP 6AON L0000489 L0000490 L0000491 L0000492 L0000493 L0000494
SRCGROUP 6AON L0000495 L0000496 L0000497 L0000498 L0000499 L0000500
SRCGROUP 6AON L0000501 L0000502 L0000503 L0000504 L0000505 L0000506
SRCGROUP 6AON L0000507 L0000508 L0000509
SRCGROUP 6BBREAT 6BBREAT
SRCGROUP 6BLOAD 6BLOAD
SRCGROUP 6BREF 6BREF
SRCGROUP 6BSPILL 6BSPILL
SRCGROUP 8BREAT 8BREAT
SRCGROUP 8LOAD 8LOAD
SRCGROUP 8REF 8REF
SRCGROUP 8SPILL 8SPILL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "14822 Ops HRA.rou"

RE FINISHED
**

** AERMOD Meteorology Pathway

**
**

ME STARTING
SURFFILE KONT_V9_ADJU\KONT_v9.SFC
PROFFILE KONT_V9_ADJU\KONT_v9.PFL
SURFDATA 3102 2012
UAIRDATA 3190 2012
PROFBASE 289.0 METERS

ME FINISHED
**

** AERMOD Output Pathway

**
**

OU STARTING
RECTABLE ALLAVE 1ST

RECTABLE 1 1ST
PLOTFILE 1 ALL 1ST "14822 OPS HRA.AD\ALL_1H.PLT" 31
PLOTFILE PERIOD ALL "14822 OPS HRA.AD\ALL_PER.PLT" 32
PLOTFILE PERIOD 10BBREAT "14822 OPS HRA.AD\10BBREAT_PER.PLT" 33
PLOTFILE 1 10BBREAT 1ST "14822 OPS HRA.AD\10BBREAT_1H.PLT" 34
PLOTFILE 1 10BLOAD 1ST "14822 OPS HRA.AD\10BLOAD_1H.PLT" 35
PLOTFILE PERIOD 10BLOAD "14822 OPS HRA.AD\10BLOAD_PER.PLT" 36
PLOTFILE PERIOD 10BREF "14822 OPS HRA.AD\10BREF_PER.PLT" 37
PLOTFILE 1 10BREF 1ST "14822 OPS HRA.AD\10BREF_1H.PLT" 38
PLOTFILE 1 10BSPILL 1ST "14822 OPS HRA.AD\10BSPILL_1H.PLT" 39
PLOTFILE PERIOD 10BSPILL "14822 OPS HRA.AD\10BSPILL_PER.PLT" 40
PLOTFILE PERIOD 1H25 "14822 OPS HRA.AD\1H25_PER.PLT" 41
PLOTFILE 1 1H25 1ST "14822 OPS HRA.AD\1H25_1H.PLT" 42
PLOTFILE 1 1MC100 1ST "14822 OPS HRA.AD\1MC100_1H.PLT" 43
PLOTFILE PERIOD 1MC100 "14822 OPS HRA.AD\1MC100_PER.PLT" 44
PLOTFILE PERIOD 1OR15 "14822 OPS HRA.AD\1OR15_PER.PLT" 45
PLOTFILE 1 1OR15 1ST "14822 OPS HRA.AD\1OR15_1H.PLT" 46
PLOTFILE 1 1OR60 1ST "14822 OPS HRA.AD\1OR60_1H.PLT" 47
PLOTFILE PERIOD 1OR60 "14822 OPS HRA.AD\1OR60_PER.PLT" 48
PLOTFILE PERIOD 1OR85 "14822 OPS HRA.AD\1OR85_PER.PLT" 49
PLOTFILE 1 1OR85 1ST "14822 OPS HRA.AD\1OR85_1H.PLT" 50
PLOTFILE 1 2CIDLE 1ST "14822 OPS HRA.AD\2CIDLE_1H.PLT" 51
PLOTFILE PERIOD 2CIDLE "14822 OPS HRA.AD\2CIDLE_PER.PLT" 52
PLOTFILE PERIOD 2CON "14822 OPS HRA.AD\2CON_PER.PLT" 53
PLOTFILE 1 2CON 1ST "14822 OPS HRA.AD\2CON_1H.PLT" 54
PLOTFILE 1 2H25 1ST "14822 OPS HRA.AD\2H25_1H.PLT" 55
PLOTFILE PERIOD 2H25 "14822 OPS HRA.AD\2H25_PER.PLT" 56
PLOTFILE PERIOD 2MC45 "14822 OPS HRA.AD\2MC45_PER.PLT" 57
PLOTFILE 1 2MC45 1ST "14822 OPS HRA.AD\2MC45_1H.PLT" 58
PLOTFILE 1 2OR15 1ST "14822 OPS HRA.AD\2OR15_1H.PLT" 59
PLOTFILE PERIOD 2OR15 "14822 OPS HRA.AD\2OR15_PER.PLT" 60
PLOTFILE PERIOD 2OR30 "14822 OPS HRA.AD\2OR30_PER.PLT" 61
PLOTFILE 1 2OR30 1ST "14822 OPS HRA.AD\2OR30_1H.PLT" 62
PLOTFILE 1 2OR60 1ST "14822 OPS HRA.AD\2OR60_1H.PLT" 63
PLOTFILE PERIOD 2OR60 "14822 OPS HRA.AD\2OR60_PER.PLT" 64
PLOTFILE PERIOD 3CIDLE "14822 OPS HRA.AD\3CIDLE_PER.PLT" 65
PLOTFILE 1 3CIDLE 1ST "14822 OPS HRA.AD\3CIDLE_1H.PLT" 66
PLOTFILE 1 3CON 1ST "14822 OPS HRA.AD\3CON_1H.PLT" 67
PLOTFILE PERIOD 3CON "14822 OPS HRA.AD\3CON_PER.PLT" 68
PLOTFILE PERIOD 4BBREAT "14822 OPS HRA.AD\4BBREAT_PER.PLT" 69
PLOTFILE 1 4BBREAT 1ST "14822 OPS HRA.AD\4BBREAT_1H.PLT" 70
PLOTFILE 1 4BLOAD 1ST "14822 OPS HRA.AD\4BLOAD_1H.PLT" 71
PLOTFILE PERIOD 4BLOAD "14822 OPS HRA.AD\4BLOAD_PER.PLT" 72
PLOTFILE PERIOD 4BREF "14822 OPS HRA.AD\4BREF_PER.PLT" 73
PLOTFILE 1 4BREF 1ST "14822 OPS HRA.AD\4BREF_1H.PLT" 74
PLOTFILE 1 4BSPILL 1ST "14822 OPS HRA.AD\4BSPILL_1H.PLT" 75
PLOTFILE PERIOD 4BSPILL "14822 OPS HRA.AD\4BSPILL_PER.PLT" 76
PLOTFILE PERIOD 5AIDLE "14822 OPS HRA.AD\5AIDLE_PER.PLT" 77
PLOTFILE 1 5AIDLE 1ST "14822 OPS HRA.AD\5AIDLE_1H.PLT" 78
PLOTFILE 1 5AON 1ST "14822 OPS HRA.AD\5AON_1H.PLT" 79
PLOTFILE PERIOD 5AON "14822 OPS HRA.AD\5AON_PER.PLT" 80
PLOTFILE PERIOD 5BBREAT "14822 OPS HRA.AD\5BBREAT_PER.PLT" 81
PLOTFILE 1 5BBREAT 1ST "14822 OPS HRA.AD\5BBREAT_1H.PLT" 82
PLOTFILE 1 5BLOAD 1ST "14822 OPS HRA.AD\5BLOAD_1H.PLT" 83
PLOTFILE PERIOD 5BLOAD "14822 OPS HRA.AD\5BLOAD_PER.PLT" 84
PLOTFILE PERIOD 5BREF "14822 OPS HRA.AD\5BREF_PER.PLT" 85
PLOTFILE 1 5BREF 1ST "14822 OPS HRA.AD\5BREF_1H.PLT" 86
PLOTFILE 1 5BSPILL 1ST "14822 OPS HRA.AD\5BSPILL_1H.PLT" 87
PLOTFILE PERIOD 5BSPILL "14822 OPS HRA.AD\5BSPILL_PER.PLT" 88
PLOTFILE PERIOD 5CBRE "14822 OPS HRA.AD\5CBRE_PER.PLT" 89
PLOTFILE 1 5CBRE 1ST "14822 OPS HRA.AD\5CBRE_1H.PLT" 90
PLOTFILE 1 5CLOAD 1ST "14822 OPS HRA.AD\5CLOAD_1H.PLT" 91
PLOTFILE PERIOD 5CLOAD "14822 OPS HRA.AD\5CLOAD_PER.PLT" 92
PLOTFILE PERIOD 5CREF "14822 OPS HRA.AD\5CREF_PER.PLT" 93
PLOTFILE 1 5CREF 1ST "14822 OPS HRA.AD\5CREF_1H.PLT" 94
PLOTFILE 1 5CSPILL 1ST "14822 OPS HRA.AD\5CSPILL_1H.PLT" 95

PLOTFILE PERIOD 5CSPILL "14822 OPS HRA.AD\5CSPILL_PER.PLT" 96
PLOTFILE PERIOD 6AIDLE "14822 OPS HRA.AD\6AIDLE_PER.PLT" 97
PLOTFILE 1 6AIDLE 1ST "14822 OPS HRA.AD\6AIDLE_1H.PLT" 98
PLOTFILE 1 6AON 1ST "14822 OPS HRA.AD\6AON_1H.PLT" 99
PLOTFILE PERIOD 6AON "14822 OPS HRA.AD\6AON_PER.PLT" 100
PLOTFILE PERIOD 6BBREAT "14822 OPS HRA.AD\6BBREAT_PER.PLT" 101
PLOTFILE 1 6BBREAT 1ST "14822 OPS HRA.AD\6BBREAT_1H.PLT" 102
PLOTFILE 1 6BLOAD 1ST "14822 OPS HRA.AD\6BLOAD_1H.PLT" 103
PLOTFILE PERIOD 6BLOAD "14822 OPS HRA.AD\6BLOAD_PER.PLT" 104
PLOTFILE PERIOD 6BREF "14822 OPS HRA.AD\6BREF_PER.PLT" 105
PLOTFILE 1 6BREF 1ST "14822 OPS HRA.AD\6BREF_1H.PLT" 106
PLOTFILE 1 6BSPILL 1ST "14822 OPS HRA.AD\6BSPILL_1H.PLT" 107
PLOTFILE PERIOD 6BSPILL "14822 OPS HRA.AD\6BSPILL_PER.PLT" 108
PLOTFILE PERIOD 8BREAT "14822 OPS HRA.AD\8BREAT_PER.PLT" 109
PLOTFILE 1 8BREAT 1ST "14822 OPS HRA.AD\8BREAT_1H.PLT" 110
PLOTFILE 1 8LOAD 1ST "14822 OPS HRA.AD\8LOAD_1H.PLT" 111
PLOTFILE PERIOD 8LOAD "14822 OPS HRA.AD\8LOAD_PER.PLT" 112
PLOTFILE PERIOD 8REF "14822 OPS HRA.AD\8REF_PER.PLT" 113
PLOTFILE 1 8REF 1ST "14822 OPS HRA.AD\8REF_1H.PLT" 114
PLOTFILE 1 8SPILL 1ST "14822 OPS HRA.AD\8SPILL_1H.PLT" 115
PLOTFILE PERIOD 8SPILL "14822 OPS HRA.AD\8SPILL_PER.PLT" 116
SUMMFILE "14822 Ops HRA.sum"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 18 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

ME W186	4149	MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	4149	MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET	
OU W565	4229	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4230	OUPlot: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4231	OUPlot: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4232	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4233	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4234	OUPlot: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4235	OUPlot: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4236	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4237	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4238	OUPlot: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4239	OUPlot: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4240	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4241	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4242	OUPlot: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4243	OUPlot: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4244	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***

*** 09:18:50

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

* Model Uses Regulatory DEFAULT Options
 * Model Is Setup For Calculation of Average CONCentration Values.
 * NO GAS DEPOSITION Data Provided.
 * NO PARTICLE DEPOSITION Data Provided.
 * Model Uses NO DRY DEPLETION. DDPLETE = F
 * Model Uses NO WET DEPLETION. WETDPLT = F
 * Stack-tip Downwash.
 * Model Accounts for ELEVated Terrain Effects.
 * Use Calms Processing Routine.
 * Use Missing Data Processing Routine.
 * No Exponential Decay.
 * Model Uses URBAN Dispersion Algorithm for the SBL for 1698 Source(s),
 for Total of 1 Urban Area(s):
 Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m
 * Urban Roughness Length of 1.0 Meter Used.
 * ADJ_U* - Use ADJ_U* option for SBL in AERMET
 * CCVR_Sub - Meteorological data includes CCVR substitutions
 * TEMP_Sub - Meteorological data includes TEMP substitutions
 * Model Assumes No FLAGPOLE Receptor Heights.
 * The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
 and Calculates PERIOD Averages

**This Run Includes: 1698 Source(s); 43 Source Group(s); and 240 Receptor(s)

with: 12 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
 and: 1686 VOLUME source(s)
 and: 0 AREA type source(s)
 and: 0 LINE source(s)
 and: 0 RLINE/RLINEXT source(s)
 and: 0 OPENPIT source(s)
 and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
 and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor
 Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
 Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
 Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
 m for Missing Hours
 b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 289.00 ; Decay Coef. =
 0.000 ; Rot. Angle = 0.0
 Emission Units = GRAMS/SEC ; Emission Rate
 Unit Factor = 0.10000E+07
 Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 5.0 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 14822 Ops

HRA.err

**File for Summary of Results: 14822 Ops

HRA.sum

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich

Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

PAGE 2

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE DIAMETER ID (METERS)	STACK PART. CATS.	NUMBER EMITS SOURCE HOR	EMISSION RATE		BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)
			BLDG (GRAMS/SEC)	URBAN CAP/ X SCALAR (METERS) VARY BY					EMIS RATE Y (METERS)

5CLOAD	0	0.10000E+01	447588.0	3762475.1	224.1	3.66	291.48	0.00
0.05 NO	YES	NO						
5CBRE	0	0.10000E+01	447588.0	3762475.1	224.1	3.66	288.71	0.00
0.05 NO	YES	NO						
10BBREAT	0	0.10000E+01	448348.6	3762163.1	222.0	3.66	288.71	0.00
0.05 NO	YES	NO						
10BLOAD	0	0.10000E+01	448348.6	3762163.1	222.0	3.66	291.48	0.00
0.05 NO	YES	NO						
4BBREAT	0	0.10000E+01	446883.2	3762327.1	222.6	3.66	288.71	0.00
0.05 NO	YES	NO						
4BLOAD	0	0.10000E+01	446883.2	3762327.1	222.6	3.66	291.48	0.00
0.05 NO	YES	NO						
6BBREAT	0	0.10000E+01	448344.7	3762485.1	226.1	3.66	288.71	0.00
0.05 NO	YES	NO						
6BLOAD	0	0.10000E+01	448344.7	3762485.1	226.1	3.66	291.48	0.00
0.05 NO	YES	NO						
8BBREAT	0	0.10000E+01	448350.6	3762332.5	224.8	3.66	288.71	0.00
0.05 NO	YES	NO						
8LOAD	0	0.10000E+01	448350.6	3762332.5	224.8	3.66	291.48	0.00
0.05 NO	YES	NO						
5BBREAT	0	0.10000E+01	447570.9	3762334.8	222.7	3.66	288.71	0.00
0.05 NO	YES	NO						
5BLOAD	0	0.10000E+01	447570.9	3762334.8	222.7	3.66	291.48	0.00
0.05 NO	YES	NO						

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich

Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50


PAGE 3

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	SOURCE	ID	NUMBER URBAN PART.	EMISSION RATE VARY (GRAMS/SEC)	X	Y	BASE	RELEASE	INIT.	INIT.
							ELEV.	HEIGHT	SY	SZ
(METERS)	SCALAR	CATS.		BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000119		0	0.66667E-01	447327.6	3763411.4	233.1	3.49	4.00	3.25	YES
L0000120		0	0.66667E-01	447327.6	3763402.8	233.1	3.49	4.00	3.25	YES
L0000121		0	0.66667E-01	447327.6	3763394.3	233.0	3.49	4.00	3.25	YES
L0000122		0	0.66667E-01	447327.6	3763385.7	233.0	3.49	4.00	3.25	YES
L0000123		0	0.66667E-01	447327.6	3763377.1	232.9	3.49	4.00	3.25	YES
L0000124		0	0.66667E-01	447327.6	3763368.5	232.9	3.49	4.00	3.25	YES
L0000125		0	0.66667E-01	447327.6	3763359.9	232.8	3.49	4.00	3.25	YES
L0000126		0	0.66667E-01	447327.6	3763351.3	232.7	3.49	4.00	3.25	YES
L0000127		0	0.66667E-01	447327.6	3763342.7	232.6	3.49	4.00	3.25	YES
L0000128		0	0.66667E-01	447327.6	3763334.1	232.6	3.49	4.00	3.25	YES
L0000129		0	0.66667E-01	447327.6	3763325.5	232.5	3.49	4.00	3.25	YES
L0000130		0	0.66667E-01	447327.6	3763316.9	232.5	3.49	4.00	3.25	YES
L0000131		0	0.66667E-01	447327.6	3763308.4	232.5	3.49	4.00	3.25	YES
L0000132		0	0.66667E-01	447327.6	3763299.8	232.4	3.49	4.00	3.25	YES
L0000133		0	0.66667E-01	447327.6	3763291.2	232.4	3.49	4.00	3.25	YES
L0000104		0	0.66667E-01	447353.3	3763112.0	231.5	3.49	4.00	3.25	YES
L0000105		0	0.66667E-01	447353.3	3763103.4	231.4	3.49	4.00	3.25	YES
L0000106		0	0.66667E-01	447353.3	3763094.9	231.3	3.49	4.00	3.25	YES
L0000107		0	0.66667E-01	447353.3	3763086.3	231.2	3.49	4.00	3.25	YES
L0000108		0	0.66667E-01	447353.3	3763077.7	231.2	3.49	4.00	3.25	YES
L0000109		0	0.66667E-01	447353.3	3763069.1	231.1	3.49	4.00	3.25	YES
L0000110		0	0.66667E-01	447353.3	3763060.5	231.0	3.49	4.00	3.25	YES
L0000111		0	0.66667E-01	447353.3	3763051.9	230.8	3.49	4.00	3.25	YES
L0000112		0	0.66667E-01	447353.3	3763043.3	230.7	3.49	4.00	3.25	YES
L0000113		0	0.66667E-01	447353.3	3763034.7	230.6	3.49	4.00	3.25	YES
L0000114		0	0.66667E-01	447353.3	3763026.1	230.4	3.49	4.00	3.25	YES
L0000115		0	0.66667E-01	447353.3	3763017.5	230.3	3.49	4.00	3.25	YES
L0000116		0	0.66667E-01	447353.3	3763009.0	230.2	3.49	4.00	3.25	YES

L0000140	0	0.10000E-01	447545.6	3763477.0	233.5	3.49	4.00	3.25
YES								
L0000141	0	0.10000E-01	447537.0	3763477.0	233.5	3.49	4.00	3.25
YES								
L0000142	0	0.10000E-01	447528.4	3763477.0	233.5	3.49	4.00	3.25
YES								
L0000143	0	0.10000E-01	447519.8	3763476.9	233.5	3.49	4.00	3.25
YES								
L0000144	0	0.10000E-01	447511.2	3763476.9	233.5	3.49	4.00	3.25
YES								
L0000145	0	0.10000E-01	447502.6	3763476.8	233.5	3.49	4.00	3.25
YES								
L0000146	0	0.10000E-01	447494.0	3763476.8	233.5	3.49	4.00	3.25
YES								
L0000147	0	0.10000E-01	447485.4	3763476.8	233.5	3.49	4.00	3.25
YES								
L0000148	0	0.10000E-01	447476.8	3763476.7	233.5	3.49	4.00	3.25
YES								
L0000149	0	0.10000E-01	447468.3	3763476.7	233.5	3.49	4.00	3.25
YES								
L0000150	0	0.10000E-01	447459.7	3763476.6	233.5	3.49	4.00	3.25
YES								
L0000151	0	0.10000E-01	447451.1	3763476.6	233.5	3.49	4.00	3.25
YES								
L0000152	0	0.10000E-01	447442.5	3763476.5	233.5	3.49	4.00	3.25
YES								
L0000153	0	0.10000E-01	447433.9	3763476.5	233.5	3.49	4.00	3.25
YES								
L0000154	0	0.10000E-01	447425.3	3763476.5	233.5	3.49	4.00	3.25
YES								
L0000155	0	0.10000E-01	447416.7	3763476.4	233.5	3.49	4.00	3.25
YES								
L0000156	0	0.10000E-01	447408.1	3763476.4	233.5	3.49	4.00	3.25
YES								
L0000157	0	0.10000E-01	447399.5	3763476.3	233.5	3.49	4.00	3.25
YES								
L0000158	0	0.10000E-01	447390.9	3763476.3	233.5	3.49	4.00	3.25
YES								
L0000159	0	0.10000E-01	447382.4	3763476.2	233.5	3.49	4.00	3.25
YES								
L0000160	0	0.10000E-01	447373.8	3763476.2	233.5	3.49	4.00	3.25
YES								
L0000161	0	0.10000E-01	447365.2	3763476.2	233.5	3.49	4.00	3.25
YES								
L0000162	0	0.10000E-01	447356.6	3763476.1	233.5	3.49	4.00	3.25
YES								
L0000163	0	0.10000E-01	447348.0	3763476.1	233.5	3.49	4.00	3.25
YES								
L0000164	0	0.10000E-01	447339.4	3763476.0	233.5	3.49	4.00	3.25
YES								
L0000165	0	0.10000E-01	447330.8	3763476.0	233.5	3.49	4.00	3.25
YES								
L0000166	0	0.10000E-01	447322.2	3763476.0	233.5	3.49	4.00	3.25
YES								
L0000167	0	0.10000E-01	447313.6	3763475.9	233.5	3.49	4.00	3.25
YES								
L0000168	0	0.10000E-01	447308.1	3763472.8	233.5	3.49	4.00	3.25
YES								


 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 5

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

L0000219	0	0.10000E-01	447480.3	3763207.7	232.2	3.49	4.00	3.25
YES								
L0000220	0	0.10000E-01	447488.9	3763207.7	232.2	3.49	4.00	3.25
YES								
L0000221	0	0.10000E-01	447497.5	3763207.8	232.2	3.49	4.00	3.25
YES								
L0000222	0	0.10000E-01	447506.1	3763207.8	232.2	3.49	4.00	3.25
YES								
L0000223	0	0.10000E-01	447514.7	3763207.8	232.2	3.49	4.00	3.25
YES								
L0000224	0	0.10000E-01	447523.2	3763207.9	232.1	3.49	4.00	3.25
YES								
L0000225	0	0.10000E-01	447531.8	3763207.9	232.1	3.49	4.00	3.25
YES								
L0000226	0	0.10000E-01	447540.4	3763208.0	232.0	3.49	4.00	3.25
YES								
L0000227	0	0.10000E-01	447549.0	3763208.0	232.0	3.49	4.00	3.25
YES								
L0000228	0	0.10000E-01	447557.6	3763208.1	232.0	3.49	4.00	3.25
YES								
L0000229	0	0.10000E-01	447566.2	3763208.1	232.0	3.49	4.00	3.25
YES								
L0000230	0	0.10000E-01	447574.8	3763208.1	232.0	3.49	4.00	3.25
YES								
L0000231	0	0.10000E-01	447583.4	3763208.2	231.9	3.49	4.00	3.25
YES								
L0000232	0	0.10000E-01	447592.0	3763208.2	231.9	3.49	4.00	3.25
YES								
L0000233	0	0.10000E-01	447600.6	3763208.3	231.9	3.49	4.00	3.25
YES								
L0000234	0	0.10870E-01	447598.5	3763211.0	231.9	3.49	4.00	3.25
YES								
L0000235	0	0.10870E-01	447589.9	3763210.8	231.9	3.49	4.00	3.25
YES								
L0000236	0	0.10870E-01	447581.4	3763210.7	232.0	3.49	4.00	3.25
YES								
L0000237	0	0.10870E-01	447572.8	3763210.5	232.0	3.49	4.00	3.25
YES								
L0000238	0	0.10870E-01	447564.2	3763210.3	232.0	3.49	4.00	3.25
YES								
L0000239	0	0.10870E-01	447555.6	3763210.1	232.0	3.49	4.00	3.25
YES								
L0000240	0	0.10870E-01	447547.0	3763209.9	232.0	3.49	4.00	3.25
YES								
L0000241	0	0.10870E-01	447538.4	3763209.7	232.0	3.49	4.00	3.25
YES								
L0000242	0	0.10870E-01	447529.8	3763209.6	232.1	3.49	4.00	3.25
YES								
L0000243	0	0.10870E-01	447521.2	3763209.4	232.2	3.49	4.00	3.25
YES								
L0000244	0	0.10870E-01	447512.6	3763209.2	232.2	3.49	4.00	3.25
YES								
L0000245	0	0.10870E-01	447504.1	3763209.0	232.2	3.49	4.00	3.25
YES								
L0000246	0	0.10870E-01	447495.5	3763208.8	232.2	3.49	4.00	3.25
YES								
L0000247	0	0.10870E-01	447486.9	3763208.6	232.2	3.49	4.00	3.25
YES								
L0000248	0	0.10870E-01	447478.3	3763208.5	232.2	3.49	4.00	3.25
YES								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAS\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

L0000377	0	0.17857E-01	447522.8	3762768.4	227.4	3.49	4.00	3.25
YES								
L0000378	0	0.17857E-01	447531.4	3762768.4	227.4	3.49	4.00	3.25
YES								
L0000379	0	0.17857E-01	447539.9	3762768.4	227.4	3.49	4.00	3.25
YES								
L0000380	0	0.17857E-01	447548.5	3762768.4	227.4	3.49	4.00	3.25
YES								
L0000381	0	0.17857E-01	447557.1	3762768.4	227.4	3.49	4.00	3.25
YES								
L0000382	0	0.28571E-01	447926.0	3762711.5	227.4	3.49	4.00	3.25
YES								
L0000383	0	0.28571E-01	447934.6	3762711.5	227.4	3.49	4.00	3.25
YES								
L0000384	0	0.28571E-01	447943.2	3762711.6	227.4	3.49	4.00	3.25
YES								
L0000385	0	0.28571E-01	447951.8	3762711.6	227.5	3.49	4.00	3.25
YES								
L0000386	0	0.28571E-01	447960.3	3762711.6	227.5	3.49	4.00	3.25
YES								
L0000387	0	0.28571E-01	447968.9	3762711.7	227.5	3.49	4.00	3.25
YES								
L0000388	0	0.28571E-01	447977.5	3762711.7	227.5	3.49	4.00	3.25
YES								
L0000389	0	0.28571E-01	447986.1	3762711.8	227.5	3.49	4.00	3.25
YES								
L0000390	0	0.28571E-01	447994.7	3762711.8	227.5	3.49	4.00	3.25
YES								
L0000391	0	0.28571E-01	448003.3	3762711.8	227.5	3.49	4.00	3.25
YES								
L0000392	0	0.28571E-01	448011.9	3762711.9	227.5	3.49	4.00	3.25
YES								
L0000393	0	0.28571E-01	448020.5	3762711.9	227.5	3.49	4.00	3.25
YES								
L0000394	0	0.28571E-01	448029.1	3762712.0	227.4	3.49	4.00	3.25
YES								
L0000395	0	0.28571E-01	448037.7	3762712.0	227.4	3.49	4.00	3.25
YES								
L0000396	0	0.28571E-01	448046.2	3762712.0	227.3	3.49	4.00	3.25
YES								
L0000397	0	0.28571E-01	448054.8	3762712.1	227.2	3.49	4.00	3.25
YES								
L0000398	0	0.28571E-01	448063.4	3762712.1	227.2	3.49	4.00	3.25
YES								
L0000399	0	0.28571E-01	448072.0	3762712.2	227.2	3.49	4.00	3.25
YES								
L0000400	0	0.28571E-01	448080.6	3762712.2	227.2	3.49	4.00	3.25
YES								
L0000401	0	0.28571E-01	448089.2	3762712.2	227.1	3.49	4.00	3.25
YES								
L0000402	0	0.28571E-01	448097.8	3762712.3	227.1	3.49	4.00	3.25
YES								
L0000403	0	0.28571E-01	448106.4	3762712.3	227.0	3.49	4.00	3.25
YES								
L0000404	0	0.28571E-01	448115.0	3762712.4	226.9	3.49	4.00	3.25
YES								
L0000405	0	0.28571E-01	448123.6	3762712.4	226.9	3.49	4.00	3.25
YES								
L0000406	0	0.28571E-01	448132.1	3762712.4	226.9	3.49	4.00	3.25
YES								
L0000407	0	0.28571E-01	448140.7	3762712.5	226.9	3.49	4.00	3.25
YES								
L0000408	0	0.28571E-01	448149.3	3762712.5	226.8	3.49	4.00	3.25
YES								

L0000456 YES	0	0.10753E-01	447933.5	3762762.4	228.2	3.49	4.00	3.25
L0000457 YES	0	0.10753E-01	447942.1	3762762.2	228.2	3.49	4.00	3.25
L0000458 YES	0	0.10753E-01	447950.7	3762762.1	228.2	3.49	4.00	3.25
L0000459 YES	0	0.10753E-01	447959.3	3762761.9	228.2	3.49	4.00	3.25
L0000460 YES	0	0.10753E-01	447967.9	3762761.8	228.2	3.49	4.00	3.25
L0000461 YES	0	0.10753E-01	447976.5	3762761.6	228.2	3.49	4.00	3.25
L0000462 YES	0	0.10753E-01	447985.1	3762761.5	228.2	3.49	4.00	3.25
L0000463 YES	0	0.10753E-01	447993.6	3762761.3	228.2	3.49	4.00	3.25
L0000464 YES	0	0.10753E-01	448002.2	3762761.2	228.2	3.49	4.00	3.25
L0000465 YES	0	0.10753E-01	448010.8	3762761.0	228.2	3.49	4.00	3.25
L0000466 YES	0	0.10753E-01	448019.4	3762760.9	228.2	3.49	4.00	3.25
L0000467 YES	0	0.10753E-01	448028.0	3762760.7	228.2	3.49	4.00	3.25
L0000468 YES	0	0.10753E-01	448036.6	3762760.6	228.1	3.49	4.00	3.25
L0000469 YES	0	0.10753E-01	448045.2	3762760.4	228.1	3.49	4.00	3.25
L0000470 YES	0	0.10753E-01	448053.8	3762760.2	228.0	3.49	4.00	3.25
L0000471 YES	0	0.10753E-01	448062.4	3762760.1	227.9	3.49	4.00	3.25
L0000472 YES	0	0.10753E-01	448070.9	3762759.9	227.9	3.49	4.00	3.25
L0000473 YES	0	0.10753E-01	448079.5	3762759.8	227.9	3.49	4.00	3.25
L0000474 YES	0	0.10753E-01	448088.1	3762759.6	227.9	3.49	4.00	3.25
L0000475 YES	0	0.10753E-01	448096.7	3762759.5	227.8	3.49	4.00	3.25
L0000476 YES	0	0.10753E-01	448105.3	3762759.3	227.7	3.49	4.00	3.25
L0000477 YES	0	0.10753E-01	448113.9	3762759.2	227.7	3.49	4.00	3.25
L0000478 YES	0	0.10753E-01	448122.5	3762759.0	227.6	3.49	4.00	3.25
L0000479 YES	0	0.10753E-01	448131.1	3762758.9	227.6	3.49	4.00	3.25
L0000480 YES	0	0.10753E-01	448139.7	3762758.7	227.6	3.49	4.00	3.25
L0000481 YES	0	0.10753E-01	448148.2	3762758.6	227.5	3.49	4.00	3.25
L0000482 YES	0	0.10753E-01	448156.8	3762758.4	227.5	3.49	4.00	3.25
L0000483 YES	0	0.10753E-01	448165.4	3762758.3	227.4	3.49	4.00	3.25
L0000484 YES	0	0.10753E-01	448174.0	3762758.1	227.3	3.49	4.00	3.25
L0000485 YES	0	0.10753E-01	448182.6	3762758.0	227.3	3.49	4.00	3.25
L0000486 YES	0	0.10753E-01	448191.2	3762757.8	227.3	3.49	4.00	3.25
L0000487 YES	0	0.10753E-01	448199.8	3762757.7	227.3	3.49	4.00	3.25
L0000488 YES	0	0.10753E-01	448208.4	3762757.5	227.3	3.49	4.00	3.25

L0000535 YES	0	0.80645E-02	447618.6	3763261.3	232.1	3.49	4.00	3.25
L0000536 YES	0	0.80645E-02	447618.6	3763252.7	232.0	3.49	4.00	3.25
L0000537 YES	0	0.80645E-02	447618.6	3763244.2	232.0	3.49	4.00	3.25
L0000538 YES	0	0.80645E-02	447618.6	3763235.6	231.9	3.49	4.00	3.25
L0000539 YES	0	0.80645E-02	447618.6	3763227.0	231.9	3.49	4.00	3.25
L0000540 YES	0	0.80645E-02	447618.6	3763218.4	231.9	3.49	4.00	3.25
L0000541 YES	0	0.80645E-02	447618.6	3763209.8	231.8	3.49	4.00	3.25
L0000542 YES	0	0.80645E-02	447618.4	3763201.2	231.8	3.49	4.00	3.25
L0000543 YES	0	0.80645E-02	447618.2	3763192.6	231.7	3.49	4.00	3.25
L0000544 YES	0	0.80645E-02	447618.1	3763184.0	231.6	3.49	4.00	3.25
L0000545 YES	0	0.80645E-02	447617.9	3763175.4	231.6	3.49	4.00	3.25
L0000546 YES	0	0.80645E-02	447617.7	3763166.9	231.6	3.49	4.00	3.25
L0000547 YES	0	0.80645E-02	447617.6	3763158.3	231.6	3.49	4.00	3.25
L0000548 YES	0	0.80645E-02	447617.4	3763149.7	231.5	3.49	4.00	3.25
L0000549 YES	0	0.80645E-02	447617.2	3763141.1	231.4	3.49	4.00	3.25
L0000550 YES	0	0.80645E-02	447617.1	3763132.5	231.3	3.49	4.00	3.25
L0000551 YES	0	0.80645E-02	447616.9	3763123.9	231.2	3.49	4.00	3.25
L0000552 YES	0	0.80645E-02	447616.7	3763115.3	231.2	3.49	4.00	3.25
L0000553 YES	0	0.80645E-02	447615.9	3763106.8	231.1	3.49	4.00	3.25
L0000554 YES	0	0.80645E-02	447614.1	3763098.4	231.0	3.49	4.00	3.25
L0000555 YES	0	0.80645E-02	447612.2	3763090.0	230.9	3.49	4.00	3.25
L0000556 YES	0	0.80645E-02	447610.3	3763081.7	230.7	3.49	4.00	3.25
L0000557 YES	0	0.80645E-02	447608.5	3763073.3	230.6	3.49	4.00	3.25
L0000558 YES	0	0.80645E-02	447606.6	3763064.9	230.4	3.49	4.00	3.25
L0000559 YES	0	0.80645E-02	447604.7	3763056.5	230.4	3.49	4.00	3.25
L0000560 YES	0	0.80645E-02	447602.9	3763048.1	230.3	3.49	4.00	3.25
L0000561 YES	0	0.80645E-02	447601.0	3763039.7	230.2	3.49	4.00	3.25
L0000562 YES	0	0.80645E-02	447599.1	3763031.3	230.2	3.49	4.00	3.25
L0000563 YES	0	0.80645E-02	447597.3	3763023.0	230.1	3.49	4.00	3.25
L0000564 YES	0	0.80645E-02	447595.4	3763014.6	229.9	3.49	4.00	3.25
L0000565 YES	0	0.80645E-02	447593.6	3763006.2	229.8	3.49	4.00	3.25
L0000566 YES	0	0.80645E-02	447591.7	3762997.8	229.7	3.49	4.00	3.25
L0000567 YES	0	0.80645E-02	447589.8	3762989.4	229.6	3.49	4.00	3.25

L0000749	0	0.42918E-02	446108.0	3762028.2	219.6	3.49	6.51	3.25
YES								
L0000750	0	0.42918E-02	446094.5	3762024.6	219.4	3.49	6.51	3.25
YES								
L0000751	0	0.42918E-02	446081.0	3762020.9	219.0	3.49	6.51	3.25
YES								
L0000752	0	0.42918E-02	446067.5	3762017.3	218.6	3.49	6.51	3.25
YES								
L0000753	0	0.42918E-02	446054.0	3762013.6	218.2	3.49	6.51	3.25
YES								
L0000754	0	0.42918E-02	446040.3	3762010.9	218.0	3.49	6.51	3.25
YES								
L0000755	0	0.42918E-02	446026.3	3762009.9	217.8	3.49	6.51	3.25
YES								
L0000756	0	0.42918E-02	446012.4	3762008.8	217.8	3.49	6.51	3.25
YES								
L0000757	0	0.42918E-02	445998.4	3762007.8	217.7	3.49	6.51	3.25
YES								
L0000758	0	0.42918E-02	445984.5	3762006.7	217.6	3.49	6.51	3.25
YES								
L0000759	0	0.42918E-02	445970.5	3762005.6	217.2	3.49	6.51	3.25
YES								
L0000760	0	0.42918E-02	445956.5	3762004.6	217.0	3.49	6.51	3.25
YES								
L0000761	0	0.42918E-02	445942.6	3762003.5	217.0	3.49	6.51	3.25
YES								
L0000762	0	0.42918E-02	445928.6	3762002.5	217.0	3.49	6.51	3.25
YES								
L0000763	0	0.42918E-02	445914.7	3762001.4	217.0	3.49	6.51	3.25
YES								
L0000764	0	0.42918E-02	445900.7	3762000.4	217.0	3.49	6.51	3.25
YES								
L0000765	0	0.42918E-02	445886.7	3761999.4	217.0	3.49	6.51	3.25
YES								
L0000766	0	0.42918E-02	445872.7	3761999.5	217.0	3.49	6.51	3.25
YES								
L0000767	0	0.42918E-02	445858.7	3761999.7	217.0	3.49	6.51	3.25
YES								
L0000768	0	0.42918E-02	445844.7	3761999.9	217.0	3.49	6.51	3.25
YES								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 20

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	SCALAR	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.	INIT.
ID	CATS.		(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0000769	0	0.42918E-02	445830.7	3762000.0	217.0	3.49	6.51	3.25
YES								
L0000770	0	0.42918E-02	445816.7	3762000.2	217.0	3.49	6.51	3.25
YES								
L0000771	0	0.42918E-02	445802.7	3762000.3	217.0	3.49	6.51	3.25
YES								

L0000772 YES	0	0.42918E-02	445788.7	3762000.5	217.0	3.49	6.51	3.25
L0000773 YES	0	0.42918E-02	445774.7	3762000.7	217.0	3.49	6.51	3.25
L0000774 YES	0	0.42918E-02	445760.7	3762000.8	217.0	3.49	6.51	3.25
L0000775 YES	0	0.42918E-02	445746.7	3762001.0	217.0	3.49	6.51	3.25
L0000776 YES	0	0.42918E-02	445732.7	3762001.1	217.0	3.49	6.51	3.25
L0000777 YES	0	0.42918E-02	445718.7	3762001.3	217.0	3.49	6.51	3.25
L0000778 YES	0	0.42918E-02	445704.7	3762001.5	216.8	3.49	6.51	3.25
L0000779 YES	0	0.42918E-02	445690.7	3762001.6	216.5	3.49	6.51	3.25
L0000780 YES	0	0.42918E-02	445676.7	3762001.8	216.5	3.49	6.51	3.25
L0000781 YES	0	0.42918E-02	445662.7	3762001.9	216.5	3.49	6.51	3.25
L0000782 YES	0	0.42918E-02	445648.7	3762002.1	216.3	3.49	6.51	3.25
L0000783 YES	0	0.42918E-02	445634.7	3762002.2	216.1	3.49	6.51	3.25
L0000784 YES	0	0.42918E-02	445620.7	3762002.4	216.0	3.49	6.51	3.25
L0000785 YES	0	0.42918E-02	445606.7	3762002.6	216.0	3.49	6.51	3.25
L0000786 YES	0	0.42918E-02	445592.8	3762002.7	216.0	3.49	6.51	3.25
L0000787 YES	0	0.42918E-02	445578.8	3762002.9	216.0	3.49	6.51	3.25
L0000788 YES	0	0.42918E-02	445564.8	3762003.0	215.9	3.49	6.51	3.25
L0000789 YES	0	0.42918E-02	445550.8	3762003.2	215.7	3.49	6.51	3.25
L0000790 YES	0	0.42918E-02	445536.8	3762003.4	215.6	3.49	6.51	3.25
L0000791 YES	0	0.42918E-02	445522.8	3762003.5	215.6	3.49	6.51	3.25
L0000792 YES	0	0.42918E-02	445508.8	3762003.7	215.6	3.49	6.51	3.25
L0000793 YES	0	0.42918E-02	445494.8	3762003.8	215.6	3.49	6.51	3.25
L0000794 YES	0	0.42918E-02	445480.8	3762004.0	215.6	3.49	6.51	3.25
L0000795 YES	0	0.42918E-02	445466.8	3762004.2	215.6	3.49	6.51	3.25
L0000796 YES	0	0.42918E-02	445452.8	3762004.3	215.6	3.49	6.51	3.25
L0000797 YES	0	0.42918E-02	445438.8	3762004.5	215.6	3.49	6.51	3.25
L0000798 YES	0	0.42918E-02	445424.8	3762004.6	215.6	3.49	6.51	3.25
L0000799 YES	0	0.42918E-02	445410.8	3762004.8	215.6	3.49	6.51	3.25
L0000800 YES	0	0.42918E-02	445396.8	3762005.0	215.6	3.49	6.51	3.25
L0000801 YES	0	0.42918E-02	445382.8	3762005.1	215.6	3.49	6.51	3.25
L0000802 YES	0	0.42918E-02	445368.8	3762005.3	215.6	3.49	6.51	3.25
L0000803 YES	0	0.42918E-02	445354.8	3762005.4	215.6	3.49	6.51	3.25
L0000804 YES	0	0.42918E-02	445340.8	3762005.6	215.6	3.49	6.51	3.25

L0000828	0	0.42918E-02	445004.8	3762009.4	215.0	3.49	6.51	3.25
YES								
L0000829	0	0.42918E-02	444990.8	3762009.6	215.0	3.49	6.51	3.25
YES								
L0000830	0	0.42918E-02	444976.8	3762009.7	215.0	3.49	6.51	3.25
YES								
L0000831	0	0.42918E-02	444962.8	3762009.9	215.0	3.49	6.51	3.25
YES								
L0000832	0	0.42918E-02	444948.8	3762010.0	215.0	3.49	6.51	3.25
YES								
L0000833	0	0.42918E-02	444934.8	3762010.2	215.0	3.49	6.51	3.25
YES								
L0000834	0	0.42918E-02	444920.8	3762010.4	215.0	3.49	6.51	3.25
YES								
L0000835	0	0.42918E-02	444906.8	3762010.5	215.0	3.49	6.51	3.25
YES								
L0000836	0	0.42918E-02	444892.8	3762010.7	215.0	3.49	6.51	3.25
YES								
L0000837	0	0.42918E-02	444878.8	3762010.8	215.0	3.49	6.51	3.25
YES								
L0000838	0	0.42918E-02	444864.8	3762011.0	215.0	3.49	6.51	3.25
YES								
L0000839	0	0.42918E-02	444850.8	3762011.2	215.0	3.49	6.51	3.25
YES								
L0000840	0	0.42918E-02	444836.8	3762011.3	215.0	3.49	6.51	3.25
YES								
L0000841	0	0.42918E-02	444822.8	3762011.5	215.0	3.49	6.51	3.25
YES								
L0000842	0	0.42918E-02	444808.8	3762011.6	215.0	3.49	6.51	3.25
YES								
L0000843	0	0.42918E-02	444794.8	3762011.8	215.0	3.49	6.51	3.25
YES								
L0000844	0	0.42918E-02	444780.8	3762011.9	215.0	3.49	6.51	3.25
YES								
L0000845	0	0.42918E-02	444766.8	3762012.1	214.9	3.49	6.51	3.25
YES								
L0000846	0	0.42918E-02	444752.8	3762012.3	214.7	3.49	6.51	3.25
YES								
L0000847	0	0.42918E-02	444738.8	3762012.4	214.3	3.49	6.51	3.25
YES								
L0000848	0	0.42918E-02	444724.8	3762012.6	214.0	3.49	6.51	3.25
YES								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 22

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	CATS.	BY						

L0000849	0	0.42918E-02	444710.8	3762012.7	214.0	3.49	6.51	3.25
YES								
L0000850	0	0.42918E-02	444696.8	3762012.9	214.0	3.49	6.51	3.25
YES								

L0001218	0	0.42918E-02	447055.6	3762400.5	222.4	3.49	6.51	3.25
YES								
L0001219	0	0.42918E-02	447041.6	3762400.3	222.4	3.49	6.51	3.25
YES								
L0001220	0	0.42918E-02	447027.6	3762400.1	222.4	3.49	6.51	3.25
YES								
L0001221	0	0.42918E-02	447013.6	3762399.9	222.4	3.49	6.51	3.25
YES								
L0001222	0	0.42918E-02	446999.6	3762399.8	222.5	3.49	6.51	3.25
YES								
L0001223	0	0.42918E-02	446985.6	3762399.6	222.6	3.49	6.51	3.25
YES								
L0001224	0	0.42918E-02	446971.6	3762399.4	222.8	3.49	6.51	3.25
YES								
L0001225	0	0.42918E-02	446957.6	3762399.3	222.9	3.49	6.51	3.25
YES								
L0001226	0	0.42918E-02	446943.6	3762399.1	223.0	3.49	6.51	3.25
YES								
L0001227	0	0.42918E-02	446929.6	3762398.9	223.0	3.49	6.51	3.25
YES								
L0001228	0	0.42918E-02	446915.6	3762398.8	223.1	3.49	6.51	3.25
YES								
L0001229	0	0.42918E-02	446901.6	3762398.6	223.2	3.49	6.51	3.25
YES								
L0001230	0	0.42918E-02	446887.6	3762398.4	223.3	3.49	6.51	3.25
YES								
L0001231	0	0.42918E-02	446873.6	3762398.3	223.3	3.49	6.51	3.25
YES								
L0001232	0	0.42918E-02	446859.6	3762398.1	223.3	3.49	6.51	3.25
YES								
L0001233	0	0.42918E-02	446845.6	3762397.9	223.3	3.49	6.51	3.25
YES								
L0001234	0	0.42918E-02	446831.6	3762397.7	223.3	3.49	6.51	3.25
YES								
L0001235	0	0.42918E-02	446817.6	3762397.6	223.2	3.49	6.51	3.25
YES								
L0001236	0	0.42918E-02	446803.6	3762397.4	223.1	3.49	6.51	3.25
YES								
L0001237	0	0.42918E-02	446789.6	3762397.2	222.9	3.49	6.51	3.25
YES								
L0001238	0	0.42918E-02	446775.7	3762396.6	222.8	3.49	6.51	3.25
YES								
L0001239	0	0.42918E-02	446762.0	3762393.6	222.7	3.49	6.51	3.25
YES								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 24

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE			ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY						
	CATS.							

L0001240	0	0.42918E-02	446748.3	3762390.5	222.7	3.49	6.51	3.25
YES								

L0001241 YES	0	0.42918E-02	446734.7	3762387.5	222.7	3.49	6.51	3.25
L0001242 YES	0	0.42918E-02	446721.0	3762384.5	222.8	3.49	6.51	3.25
L0001243 YES	0	0.42918E-02	446707.3	3762381.4	222.9	3.49	6.51	3.25
L0001244 YES	0	0.42918E-02	446693.7	3762378.4	222.8	3.49	6.51	3.25
L0001245 YES	0	0.42918E-02	446680.3	3762374.3	222.8	3.49	6.51	3.25
L0001246 YES	0	0.42918E-02	446667.4	3762369.0	222.9	3.49	6.51	3.25
L0001247 YES	0	0.42918E-02	446654.4	3762363.7	223.0	3.49	6.51	3.25
L0001248 YES	0	0.42918E-02	446641.5	3762358.3	223.0	3.49	6.51	3.25
L0001249 YES	0	0.42918E-02	446628.6	3762353.0	223.1	3.49	6.51	3.25
L0001250 YES	0	0.42918E-02	446615.6	3762347.6	223.2	3.49	6.51	3.25
L0001251 YES	0	0.42918E-02	446602.7	3762342.3	223.3	3.49	6.51	3.25
L0001252 YES	0	0.42918E-02	446589.7	3762337.0	223.3	3.49	6.51	3.25
L0001253 YES	0	0.42918E-02	446577.0	3762331.2	223.4	3.49	6.51	3.25
L0001254 YES	0	0.42918E-02	446565.4	3762323.4	223.4	3.49	6.51	3.25
L0001255 YES	0	0.42918E-02	446553.8	3762315.5	223.5	3.49	6.51	3.25
L0001256 YES	0	0.42918E-02	446542.2	3762307.7	223.0	3.49	6.51	3.25
L0001257 YES	0	0.42918E-02	446530.6	3762299.9	223.0	3.49	6.51	3.25
L0001258 YES	0	0.42918E-02	446519.0	3762292.1	223.0	3.49	6.51	3.25
L0001259 YES	0	0.42918E-02	446507.4	3762284.2	223.0	3.49	6.51	3.25
L0001260 YES	0	0.42918E-02	446495.8	3762276.4	223.0	3.49	6.51	3.25
L0001261 YES	0	0.42918E-02	446484.1	3762268.6	223.0	3.49	6.51	3.25
L0001262 YES	0	0.42918E-02	446472.5	3762260.8	223.0	3.49	6.51	3.25
L0001263 YES	0	0.42918E-02	446460.9	3762253.0	222.9	3.49	6.51	3.25
L0001264 YES	0	0.42918E-02	446449.3	3762245.1	222.9	3.49	6.51	3.25
L0001265 YES	0	0.42918E-02	446437.7	3762237.3	223.0	3.49	6.51	3.25
L0001266 YES	0	0.42918E-02	446426.1	3762229.5	223.0	3.49	6.51	3.25
L0001267 YES	0	0.42918E-02	446414.7	3762221.4	223.0	3.49	6.51	3.25
L0001268 YES	0	0.42918E-02	446403.3	3762213.2	223.0	3.49	6.51	3.25
L0001269 YES	0	0.42918E-02	446391.9	3762205.1	223.0	3.49	6.51	3.25
L0001270 YES	0	0.42918E-02	446380.6	3762196.9	223.0	3.49	6.51	3.25
L0001271 YES	0	0.42918E-02	446369.2	3762188.7	223.0	3.49	6.51	3.25
L0001272 YES	0	0.42918E-02	446357.8	3762180.5	223.0	3.49	6.51	3.25
L0001273 YES	0	0.42918E-02	446346.5	3762172.4	222.9	3.49	6.51	3.25

L0001297	0	0.42918E-02	446054.0	3762013.6	218.2	3.49	6.51	3.25
YES								
L0001298	0	0.42918E-02	446040.3	3762010.9	218.0	3.49	6.51	3.25
YES								
L0001299	0	0.42918E-02	446026.3	3762009.9	217.8	3.49	6.51	3.25
YES								
L0001300	0	0.42918E-02	446012.4	3762008.8	217.8	3.49	6.51	3.25
YES								
L0001301	0	0.42918E-02	445998.4	3762007.8	217.7	3.49	6.51	3.25
YES								
L0001302	0	0.42918E-02	445984.5	3762006.7	217.6	3.49	6.51	3.25
YES								
L0001303	0	0.42918E-02	445970.5	3762005.6	217.2	3.49	6.51	3.25
YES								
L0001304	0	0.42918E-02	445956.5	3762004.6	217.0	3.49	6.51	3.25
YES								
L0001305	0	0.42918E-02	445942.6	3762003.5	217.0	3.49	6.51	3.25
YES								
L0001306	0	0.42918E-02	445928.6	3762002.5	217.0	3.49	6.51	3.25
YES								
L0001307	0	0.42918E-02	445914.7	3762001.4	217.0	3.49	6.51	3.25
YES								
L0001308	0	0.42918E-02	445900.7	3762000.4	217.0	3.49	6.51	3.25
YES								
L0001309	0	0.42918E-02	445886.7	3761999.4	217.0	3.49	6.51	3.25
YES								
L0001310	0	0.42918E-02	445872.7	3761999.5	217.0	3.49	6.51	3.25
YES								
L0001311	0	0.42918E-02	445858.7	3761999.7	217.0	3.49	6.51	3.25
YES								
L0001312	0	0.42918E-02	445844.7	3761999.9	217.0	3.49	6.51	3.25
YES								
L0001313	0	0.42918E-02	445830.7	3762000.0	217.0	3.49	6.51	3.25
YES								
L0001314	0	0.42918E-02	445816.7	3762000.2	217.0	3.49	6.51	3.25
YES								
L0001315	0	0.42918E-02	445802.7	3762000.3	217.0	3.49	6.51	3.25
YES								
L0001316	0	0.42918E-02	445788.7	3762000.5	217.0	3.49	6.51	3.25
YES								
L0001317	0	0.42918E-02	445774.7	3762000.7	217.0	3.49	6.51	3.25
YES								
L0001318	0	0.42918E-02	445760.7	3762000.8	217.0	3.49	6.51	3.25
YES								
L0001319	0	0.42918E-02	445746.7	3762001.0	217.0	3.49	6.51	3.25
YES								

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops ***          10/19/22
*** AERMET - VERSION 16216 ***
***                                     ***          09:18:50

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PAGE 26

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)		BY						

L0001320 YES	0	0.42918E-02	445732.7	3762001.1	217.0	3.49	6.51	3.25
L0001321 YES	0	0.42918E-02	445718.7	3762001.3	217.0	3.49	6.51	3.25
L0001322 YES	0	0.42918E-02	445704.7	3762001.5	216.8	3.49	6.51	3.25
L0001323 YES	0	0.42918E-02	445690.7	3762001.6	216.5	3.49	6.51	3.25
L0001324 YES	0	0.42918E-02	445676.7	3762001.8	216.5	3.49	6.51	3.25
L0001325 YES	0	0.42918E-02	445662.7	3762001.9	216.5	3.49	6.51	3.25
L0001326 YES	0	0.42918E-02	445648.7	3762002.1	216.3	3.49	6.51	3.25
L0001327 YES	0	0.42918E-02	445634.7	3762002.2	216.1	3.49	6.51	3.25
L0001328 YES	0	0.42918E-02	445620.7	3762002.4	216.0	3.49	6.51	3.25
L0001329 YES	0	0.42918E-02	445606.7	3762002.6	216.0	3.49	6.51	3.25
L0001330 YES	0	0.42918E-02	445592.8	3762002.7	216.0	3.49	6.51	3.25
L0001331 YES	0	0.42918E-02	445578.8	3762002.9	216.0	3.49	6.51	3.25
L0001332 YES	0	0.42918E-02	445564.8	3762003.0	215.9	3.49	6.51	3.25
L0001333 YES	0	0.42918E-02	445550.8	3762003.2	215.7	3.49	6.51	3.25
L0001334 YES	0	0.42918E-02	445536.8	3762003.4	215.6	3.49	6.51	3.25
L0001335 YES	0	0.42918E-02	445522.8	3762003.5	215.6	3.49	6.51	3.25
L0001336 YES	0	0.42918E-02	445508.8	3762003.7	215.6	3.49	6.51	3.25
L0001337 YES	0	0.42918E-02	445494.8	3762003.8	215.6	3.49	6.51	3.25
L0001338 YES	0	0.42918E-02	445480.8	3762004.0	215.6	3.49	6.51	3.25
L0001339 YES	0	0.42918E-02	445466.8	3762004.2	215.6	3.49	6.51	3.25
L0001340 YES	0	0.42918E-02	445452.8	3762004.3	215.6	3.49	6.51	3.25
L0001341 YES	0	0.42918E-02	445438.8	3762004.5	215.6	3.49	6.51	3.25
L0001342 YES	0	0.42918E-02	445424.8	3762004.6	215.6	3.49	6.51	3.25
L0001343 YES	0	0.42918E-02	445410.8	3762004.8	215.6	3.49	6.51	3.25
L0001344 YES	0	0.42918E-02	445396.8	3762005.0	215.6	3.49	6.51	3.25
L0001345 YES	0	0.42918E-02	445382.8	3762005.1	215.6	3.49	6.51	3.25
L0001346 YES	0	0.42918E-02	445368.8	3762005.3	215.6	3.49	6.51	3.25
L0001347 YES	0	0.42918E-02	445354.8	3762005.4	215.6	3.49	6.51	3.25
L0001348 YES	0	0.42918E-02	445340.8	3762005.6	215.6	3.49	6.51	3.25
L0001349 YES	0	0.42918E-02	445326.8	3762005.7	215.7	3.49	6.51	3.25
L0001350 YES	0	0.42918E-02	445312.8	3762005.9	215.7	3.49	6.51	3.25
L0001351 YES	0	0.42918E-02	445298.8	3762006.1	215.7	3.49	6.51	3.25
L0001352 YES	0	0.42918E-02	445284.8	3762006.2	215.7	3.49	6.51	3.25

L0001376	0	0.42918E-02	444948.8	3762010.0	215.0	3.49	6.51	3.25
YES								
L0001377	0	0.42918E-02	444934.8	3762010.2	215.0	3.49	6.51	3.25
YES								
L0001378	0	0.42918E-02	444920.8	3762010.4	215.0	3.49	6.51	3.25
YES								
L0001379	0	0.42918E-02	444906.8	3762010.5	215.0	3.49	6.51	3.25
YES								
L0001380	0	0.42918E-02	444892.8	3762010.7	215.0	3.49	6.51	3.25
YES								
L0001381	0	0.42918E-02	444878.8	3762010.8	215.0	3.49	6.51	3.25
YES								
L0001382	0	0.42918E-02	444864.8	3762011.0	215.0	3.49	6.51	3.25
YES								
L0001383	0	0.42918E-02	444850.8	3762011.2	215.0	3.49	6.51	3.25
YES								
L0001384	0	0.42918E-02	444836.8	3762011.3	215.0	3.49	6.51	3.25
YES								
L0001385	0	0.42918E-02	444822.8	3762011.5	215.0	3.49	6.51	3.25
YES								
L0001386	0	0.42918E-02	444808.8	3762011.6	215.0	3.49	6.51	3.25
YES								
L0001387	0	0.42918E-02	444794.8	3762011.8	215.0	3.49	6.51	3.25
YES								
L0001388	0	0.42918E-02	444780.8	3762011.9	215.0	3.49	6.51	3.25
YES								
L0001389	0	0.42918E-02	444766.8	3762012.1	214.9	3.49	6.51	3.25
YES								
L0001390	0	0.42918E-02	444752.8	3762012.3	214.7	3.49	6.51	3.25
YES								
L0001391	0	0.42918E-02	444738.8	3762012.4	214.3	3.49	6.51	3.25
YES								
L0001392	0	0.42918E-02	444724.8	3762012.6	214.0	3.49	6.51	3.25
YES								
L0001393	0	0.42918E-02	444710.8	3762012.7	214.0	3.49	6.51	3.25
YES								
L0001394	0	0.42918E-02	444696.8	3762012.9	214.0	3.49	6.51	3.25
YES								
L0001395	0	0.42918E-02	444682.8	3762013.1	214.0	3.49	6.51	3.25
YES								
L0001396	0	0.42918E-02	444668.8	3762013.2	214.0	3.49	6.51	3.25
YES								
L0001397	0	0.42918E-02	444654.8	3762013.4	214.0	3.49	6.51	3.25
YES								
L0001398	0	0.42918E-02	444640.8	3762013.5	213.9	3.49	6.51	3.25
YES								
L0001399	0	0.42918E-02	444626.8	3762013.7	213.9	3.49	6.51	3.25
YES								

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops ***          10/19/22
*** AERMET - VERSION 16216 ***
***                                     ***          09:18:50

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PAGE 28

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0000911	0	0.17544E-01	448249.1	3762394.4	225.4	3.49	6.51	3.25
YES								
L0000912	0	0.17544E-01	448263.1	3762394.2	225.4	3.49	6.51	3.25
YES								
L0000913	0	0.17544E-01	448277.1	3762393.9	225.5	3.49	6.51	3.25
YES								
L0000914	0	0.17544E-01	448291.1	3762393.6	225.5	3.49	6.51	3.25
YES								
L0000915	0	0.17544E-01	448305.1	3762393.4	225.6	3.49	6.51	3.25
YES								
L0000916	0	0.17544E-01	448319.1	3762393.1	225.6	3.49	6.51	3.25
YES								
L0000917	0	0.17544E-01	448333.1	3762392.8	225.5	3.49	6.51	3.25
YES								
L0000918	0	0.17544E-01	448347.0	3762392.6	225.5	3.49	6.51	3.25
YES								
L0000919	0	0.17544E-01	448361.0	3762392.3	225.4	3.49	6.51	3.25
YES								
L0000920	0	0.17544E-01	448375.0	3762392.1	225.3	3.49	6.51	3.25
YES								
L0000921	0	0.17544E-01	448389.0	3762391.8	225.2	3.49	6.51	3.25
YES								
L0000922	0	0.17544E-01	448403.0	3762391.5	225.2	3.49	6.51	3.25
YES								
L0000923	0	0.17544E-01	448417.0	3762391.3	225.1	3.49	6.51	3.25
YES								
L0001701	0	0.17544E-01	447633.2	3762406.0	223.7	3.49	6.51	3.25
YES								
L0001702	0	0.17544E-01	447647.2	3762405.7	223.7	3.49	6.51	3.25
YES								
L0001703	0	0.17544E-01	447661.2	3762405.4	223.7	3.49	6.51	3.25
YES								
L0001704	0	0.17544E-01	447675.2	3762405.2	223.8	3.49	6.51	3.25
YES								
L0001705	0	0.17544E-01	447689.2	3762404.9	223.9	3.49	6.51	3.25
YES								
L0001706	0	0.17544E-01	447703.2	3762404.7	224.0	3.49	6.51	3.25
YES								
L0001707	0	0.17544E-01	447717.2	3762404.4	224.0	3.49	6.51	3.25
YES								
L0001708	0	0.17544E-01	447731.2	3762404.1	224.0	3.49	6.51	3.25
YES								
L0001709	0	0.17544E-01	447745.2	3762403.9	224.2	3.49	6.51	3.25
YES								
L0001710	0	0.17544E-01	447759.2	3762403.6	224.3	3.49	6.51	3.25
YES								
L0001711	0	0.17544E-01	447773.1	3762403.3	224.3	3.49	6.51	3.25
YES								
L0001712	0	0.17544E-01	447787.1	3762403.1	224.3	3.49	6.51	3.25
YES								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50


PAGE 30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.	
SOURCE	PART.	(GRAMS/SEC)		X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR	VARY	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	

L0000933	0	0.52356E-02	448434.9	3762523.3	226.4	3.49	6.51	3.25
YES								
L0000934	0	0.52356E-02	448435.1	3762537.3	226.6	3.49	6.51	3.25
YES								
L0000935	0	0.52356E-02	448435.2	3762551.3	226.7	3.49	6.51	3.25
YES								
L0000936	0	0.52356E-02	448435.3	3762565.3	226.9	3.49	6.51	3.25
YES								
L0000937	0	0.52356E-02	448435.5	3762579.3	227.0	3.49	6.51	3.25
YES								
L0000938	0	0.52356E-02	448435.6	3762593.3	227.2	3.49	6.51	3.25
YES								
L0000939	0	0.52356E-02	448435.7	3762607.3	227.3	3.49	6.51	3.25
YES								
L0000940	0	0.52356E-02	448435.9	3762621.3	227.4	3.49	6.51	3.25
YES								
L0000941	0	0.52356E-02	448436.0	3762635.3	227.6	3.49	6.51	3.25
YES								
L0000942	0	0.52356E-02	448436.1	3762649.3	227.7	3.49	6.51	3.25
YES								
L0000943	0	0.52356E-02	448436.3	3762663.3	227.9	3.49	6.51	3.25
YES								
L0000944	0	0.52356E-02	448436.4	3762677.3	228.1	3.49	6.51	3.25
YES								
L0000945	0	0.52356E-02	448436.5	3762691.3	228.3	3.49	6.51	3.25
YES								
L0000946	0	0.52356E-02	448436.7	3762705.3	228.4	3.49	6.51	3.25
YES								
L0000947	0	0.52356E-02	448436.8	3762719.3	228.5	3.49	6.51	3.25
YES								
L0000948	0	0.52356E-02	448436.9	3762733.3	228.6	3.49	6.51	3.25
YES								
L0000949	0	0.52356E-02	448437.1	3762747.3	228.7	3.49	6.51	3.25
YES								
L0000950	0	0.52356E-02	448437.2	3762761.3	228.9	3.49	6.51	3.25
YES								
L0000951	0	0.52356E-02	448437.3	3762775.3	228.9	3.49	6.51	3.25
YES								
L0000952	0	0.52356E-02	448437.5	3762789.3	228.9	3.49	6.51	3.25
YES								
L0000953	0	0.52356E-02	448437.6	3762803.3	228.9	3.49	6.51	3.25
YES								
L0000954	0	0.52356E-02	448437.7	3762817.3	228.9	3.49	6.51	3.25
YES								
L0000955	0	0.52356E-02	448437.8	3762831.3	228.9	3.49	6.51	3.25
YES								
L0000956	0	0.52356E-02	448438.0	3762845.3	228.9	3.49	6.51	3.25
YES								
L0000957	0	0.52356E-02	448438.1	3762859.3	228.9	3.49	6.51	3.25
YES								
L0000958	0	0.52356E-02	448438.4	3762873.3	229.0	3.49	6.51	3.25
YES								


 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 32


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE	BASE	RELEASE	INIT.	INIT.		
	URBAN	EMISSION RATE						
	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ

SOURCE ID (METERS)	SCALAR CATS.	VARY BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
L0000959 YES	0	0.52356E-02	448438.6	3762887.3	229.1	3.49	6.51	3.25
L0000960 YES	0	0.52356E-02	448438.9	3762901.3	229.1	3.49	6.51	3.25
L0000961 YES	0	0.52356E-02	448439.2	3762915.3	229.1	3.49	6.51	3.25
L0000962 YES	0	0.52356E-02	448439.4	3762929.3	229.1	3.49	6.51	3.25
L0000963 YES	0	0.52356E-02	448439.7	3762943.3	229.1	3.49	6.51	3.25
L0000964 YES	0	0.52356E-02	448440.0	3762957.3	229.3	3.49	6.51	3.25
L0000965 YES	0	0.52356E-02	448440.3	3762971.3	229.6	3.49	6.51	3.25
L0000966 YES	0	0.52356E-02	448440.5	3762985.3	229.8	3.49	6.51	3.25
L0000967 YES	0	0.52356E-02	448440.8	3762999.3	230.0	3.49	6.51	3.25
L0000968 YES	0	0.52356E-02	448441.1	3763013.3	230.1	3.49	6.51	3.25
L0000969 YES	0	0.52356E-02	448441.3	3763027.3	230.3	3.49	6.51	3.25
L0000970 YES	0	0.52356E-02	448441.6	3763041.3	230.5	3.49	6.51	3.25
L0000971 YES	0	0.52356E-02	448441.9	3763055.3	230.7	3.49	6.51	3.25
L0000972 YES	0	0.52356E-02	448442.1	3763069.3	230.8	3.49	6.51	3.25
L0000973 YES	0	0.52356E-02	448442.4	3763083.2	231.0	3.49	6.51	3.25
L0000974 YES	0	0.52356E-02	448442.6	3763097.2	231.1	3.49	6.51	3.25
L0000975 YES	0	0.52356E-02	448442.8	3763111.2	231.3	3.49	6.51	3.25
L0000976 YES	0	0.52356E-02	448443.1	3763125.2	231.4	3.49	6.51	3.25
L0000977 YES	0	0.52356E-02	448443.3	3763139.2	231.5	3.49	6.51	3.25
L0000978 YES	0	0.52356E-02	448443.6	3763153.2	231.6	3.49	6.51	3.25
L0000979 YES	0	0.52356E-02	448443.8	3763167.2	231.8	3.49	6.51	3.25
L0000980 YES	0	0.52356E-02	448444.1	3763181.2	231.9	3.49	6.51	3.25
L0000981 YES	0	0.52356E-02	448444.3	3763195.2	232.0	3.49	6.51	3.25
L0000982 YES	0	0.52356E-02	448444.6	3763209.2	232.2	3.49	6.51	3.25
L0000983 YES	0	0.52356E-02	448444.8	3763223.2	232.3	3.49	6.51	3.25
L0000984 YES	0	0.52356E-02	448445.1	3763237.2	232.5	3.49	6.51	3.25
L0000985 YES	0	0.52356E-02	448445.3	3763251.2	232.6	3.49	6.51	3.25
L0000986 YES	0	0.52356E-02	448445.6	3763265.2	232.8	3.49	6.51	3.25
L0000987 YES	0	0.52356E-02	448445.8	3763279.2	233.0	3.49	6.51	3.25
L0000988 YES	0	0.52356E-02	448446.1	3763293.2	233.2	3.49	6.51	3.25

L0001012	0	0.52356E-02	448451.9	3763629.2	237.7	3.49	6.51	3.25
YES								
L0001013	0	0.52356E-02	448452.1	3763643.2	237.7	3.49	6.51	3.25
YES								
L0001014	0	0.52356E-02	448452.3	3763657.2	237.7	3.49	6.51	3.25
YES								
L0001015	0	0.52356E-02	448452.6	3763671.2	237.8	3.49	6.51	3.25
YES								
L0001016	0	0.52356E-02	448452.8	3763685.2	238.1	3.49	6.51	3.25
YES								
L0001017	0	0.52356E-02	448453.0	3763699.2	238.3	3.49	6.51	3.25
YES								
L0001018	0	0.52356E-02	448453.2	3763713.2	238.3	3.49	6.51	3.25
YES								
L0001019	0	0.52356E-02	448453.4	3763727.2	238.3	3.49	6.51	3.25
YES								
L0001020	0	0.52356E-02	448453.6	3763741.2	238.5	3.49	6.51	3.25
YES								
L0001021	0	0.52356E-02	448453.8	3763755.1	238.6	3.49	6.51	3.25
YES								
L0001022	0	0.52356E-02	448454.1	3763769.1	238.7	3.49	6.51	3.25
YES								
L0001023	0	0.52356E-02	448454.3	3763783.1	238.9	3.49	6.51	3.25
YES								
L0001024	0	0.52356E-02	448454.5	3763797.1	239.0	3.49	6.51	3.25
YES								
L0001025	0	0.52356E-02	448454.7	3763811.1	239.1	3.49	6.51	3.25
YES								
L0001026	0	0.52356E-02	448454.9	3763825.1	239.2	3.49	6.51	3.25
YES								
L0001027	0	0.52356E-02	448455.1	3763839.1	239.2	3.49	6.51	3.25
YES								
L0001028	0	0.52356E-02	448455.3	3763853.1	239.1	3.49	6.51	3.25
YES								
L0001029	0	0.52356E-02	448455.6	3763867.1	239.0	3.49	6.51	3.25
YES								
L0001030	0	0.52356E-02	448455.8	3763881.1	238.9	3.49	6.51	3.25
YES								
L0001031	0	0.52356E-02	448456.0	3763895.1	238.9	3.49	6.51	3.25
YES								
L0001032	0	0.52356E-02	448456.2	3763909.1	239.0	3.49	6.51	3.25
YES								
L0001033	0	0.52356E-02	448456.4	3763923.1	239.0	3.49	6.51	3.25
YES								
L0001034	0	0.52356E-02	448456.6	3763937.1	239.0	3.49	6.51	3.25
YES								
L0001035	0	0.52356E-02	448456.8	3763951.1	239.1	3.49	6.51	3.25
YES								
L0001036	0	0.52356E-02	448457.1	3763965.1	239.2	3.49	6.51	3.25
YES								
L0001037	0	0.52356E-02	448457.3	3763979.1	239.2	3.49	6.51	3.25
YES								
L0001038	0	0.52356E-02	448457.5	3763993.1	239.3	3.49	6.51	3.25
YES								


 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50


PAGE 34

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT.

L0001091	0	0.52356E-02	448455.5	3764735.0	246.2	3.49	6.51	3.25
YES								
L0001092	0	0.52356E-02	448455.1	3764749.0	246.2	3.49	6.51	3.25
YES								
L0001093	0	0.52356E-02	448454.8	3764763.0	246.4	3.49	6.51	3.25
YES								
L0001094	0	0.52356E-02	448454.4	3764777.0	246.5	3.49	6.51	3.25
YES								
L0001095	0	0.52356E-02	448454.1	3764790.9	246.7	3.49	6.51	3.25
YES								
L0001096	0	0.52356E-02	448453.7	3764804.9	246.8	3.49	6.51	3.25
YES								
L0001097	0	0.52356E-02	448453.3	3764818.9	247.0	3.49	6.51	3.25
YES								
L0001098	0	0.52356E-02	448453.2	3764832.9	247.1	3.49	6.51	3.25
YES								
L0001099	0	0.52356E-02	448453.2	3764846.9	247.2	3.49	6.51	3.25
YES								
L0001100	0	0.52356E-02	448453.2	3764860.9	247.3	3.49	6.51	3.25
YES								
L0001101	0	0.52356E-02	448453.2	3764874.9	247.4	3.49	6.51	3.25
YES								
L0001102	0	0.52356E-02	448453.2	3764888.9	247.4	3.49	6.51	3.25
YES								
L0001103	0	0.52356E-02	448453.2	3764902.9	247.4	3.49	6.51	3.25
YES								
L0001104	0	0.52356E-02	448453.2	3764916.9	247.4	3.49	6.51	3.25
YES								
L0001105	0	0.52356E-02	448453.2	3764930.9	247.4	3.49	6.51	3.25
YES								
L0001106	0	0.52356E-02	448453.2	3764944.9	247.4	3.49	6.51	3.25
YES								
L0001107	0	0.52356E-02	448453.2	3764958.9	247.4	3.49	6.51	3.25
YES								
L0001108	0	0.52356E-02	448453.2	3764972.9	247.6	3.49	6.51	3.25
YES								
L0001109	0	0.52356E-02	448453.2	3764986.9	247.7	3.49	6.51	3.25
YES								
L0001110	0	0.52356E-02	448453.2	3765000.9	248.1	3.49	6.51	3.25
YES								
L0001111	0	0.52356E-02	448453.2	3765014.9	248.5	3.49	6.51	3.25
YES								
L0001112	0	0.52356E-02	448453.2	3765028.9	248.7	3.49	6.51	3.25
YES								
L0001113	0	0.52356E-02	448453.2	3765042.9	248.8	3.49	6.51	3.25
YES								
L0001114	0	0.52356E-02	448453.2	3765056.9	249.0	3.49	6.51	3.25
YES								
L0002075	0	0.52356E-02	448433.8	3762397.3	225.2	3.49	6.51	3.25
YES								
L0002076	0	0.52356E-02	448433.9	3762411.3	225.3	3.49	6.51	3.25
YES								
L0002077	0	0.52356E-02	448434.0	3762425.3	225.4	3.49	6.51	3.25
YES								
L0002078	0	0.52356E-02	448434.2	3762439.3	225.6	3.49	6.51	3.25
YES								


 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

L0002130	0	0.52356E-02	448443.8	3763167.2	231.8	3.49	6.51	3.25
YES								
L0002131	0	0.52356E-02	448444.1	3763181.2	231.9	3.49	6.51	3.25
YES								
L0002132	0	0.52356E-02	448444.3	3763195.2	232.0	3.49	6.51	3.25
YES								
L0002133	0	0.52356E-02	448444.6	3763209.2	232.2	3.49	6.51	3.25
YES								
L0002134	0	0.52356E-02	448444.8	3763223.2	232.3	3.49	6.51	3.25
YES								
L0002135	0	0.52356E-02	448445.1	3763237.2	232.5	3.49	6.51	3.25
YES								
L0002136	0	0.52356E-02	448445.3	3763251.2	232.6	3.49	6.51	3.25
YES								
L0002137	0	0.52356E-02	448445.6	3763265.2	232.8	3.49	6.51	3.25
YES								
L0002138	0	0.52356E-02	448445.8	3763279.2	233.0	3.49	6.51	3.25
YES								
L0002139	0	0.52356E-02	448446.1	3763293.2	233.2	3.49	6.51	3.25
YES								
L0002140	0	0.52356E-02	448446.3	3763307.2	233.5	3.49	6.51	3.25
YES								
L0002141	0	0.52356E-02	448446.6	3763321.2	233.6	3.49	6.51	3.25
YES								
L0002142	0	0.52356E-02	448446.8	3763335.2	233.8	3.49	6.51	3.25
YES								
L0002143	0	0.52356E-02	448447.0	3763349.2	233.9	3.49	6.51	3.25
YES								
L0002144	0	0.52356E-02	448447.3	3763363.2	234.1	3.49	6.51	3.25
YES								
L0002145	0	0.52356E-02	448447.5	3763377.2	234.2	3.49	6.51	3.25
YES								
L0002146	0	0.52356E-02	448447.8	3763391.2	234.3	3.49	6.51	3.25
YES								
L0002147	0	0.52356E-02	448448.0	3763405.2	234.5	3.49	6.51	3.25
YES								
L0002148	0	0.52356E-02	448448.3	3763419.2	234.6	3.49	6.51	3.25
YES								
L0002149	0	0.52356E-02	448448.5	3763433.2	234.8	3.49	6.51	3.25
YES								
L0002150	0	0.52356E-02	448448.8	3763447.2	234.9	3.49	6.51	3.25
YES								
L0002151	0	0.52356E-02	448449.0	3763461.2	235.1	3.49	6.51	3.25
YES								
L0002152	0	0.52356E-02	448449.3	3763475.2	235.2	3.49	6.51	3.25
YES								
L0002153	0	0.52356E-02	448449.5	3763489.2	235.4	3.49	6.51	3.25
YES								
L0002154	0	0.52356E-02	448449.8	3763503.2	235.7	3.49	6.51	3.25
YES								
L0002155	0	0.52356E-02	448450.0	3763517.2	235.9	3.49	6.51	3.25
YES								
L0002156	0	0.52356E-02	448450.3	3763531.2	236.2	3.49	6.51	3.25
YES								
L0002157	0	0.52356E-02	448450.5	3763545.2	236.5	3.49	6.51	3.25
YES								
L0002158	0	0.52356E-02	448450.8	3763559.2	236.8	3.49	6.51	3.25
YES								


 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***

*** 09:18:50

L0002209	0	0.52356E-02	448461.8	3764273.1	243.7	3.49	6.51	3.25
YES								
L0002210	0	0.52356E-02	448462.0	3764287.1	243.7	3.49	6.51	3.25
YES								
L0002211	0	0.52356E-02	448462.2	3764301.1	243.6	3.49	6.51	3.25
YES								
L0002212	0	0.52356E-02	448462.4	3764315.1	243.6	3.49	6.51	3.25
YES								
L0002213	0	0.52356E-02	448462.6	3764329.1	243.5	3.49	6.51	3.25
YES								
L0002214	0	0.52356E-02	448462.8	3764343.1	243.3	3.49	6.51	3.25
YES								
L0002215	0	0.52356E-02	448463.0	3764357.1	243.1	3.49	6.51	3.25
YES								
L0002216	0	0.52356E-02	448463.3	3764371.1	242.9	3.49	6.51	3.25
YES								
L0002217	0	0.52356E-02	448463.5	3764385.1	242.8	3.49	6.51	3.25
YES								
L0002218	0	0.52356E-02	448463.7	3764399.1	242.8	3.49	6.51	3.25
YES								
L0002219	0	0.52356E-02	448463.8	3764413.1	242.8	3.49	6.51	3.25
YES								
L0002220	0	0.52356E-02	448463.4	3764427.1	242.8	3.49	6.51	3.25
YES								
L0002221	0	0.52356E-02	448463.1	3764441.1	242.9	3.49	6.51	3.25
YES								
L0002222	0	0.52356E-02	448462.7	3764455.1	243.0	3.49	6.51	3.25
YES								
L0002223	0	0.52356E-02	448462.4	3764469.1	243.2	3.49	6.51	3.25
YES								
L0002224	0	0.52356E-02	448462.0	3764483.0	243.3	3.49	6.51	3.25
YES								
L0002225	0	0.52356E-02	448461.6	3764497.0	243.4	3.49	6.51	3.25
YES								
L0002226	0	0.52356E-02	448461.3	3764511.0	243.6	3.49	6.51	3.25
YES								
L0002227	0	0.52356E-02	448460.9	3764525.0	243.7	3.49	6.51	3.25
YES								
L0002228	0	0.52356E-02	448460.6	3764539.0	243.9	3.49	6.51	3.25
YES								
L0002229	0	0.52356E-02	448460.2	3764553.0	244.0	3.49	6.51	3.25
YES								
L0002230	0	0.52356E-02	448459.8	3764567.0	244.2	3.49	6.51	3.25
YES								
L0002231	0	0.52356E-02	448459.5	3764581.0	244.3	3.49	6.51	3.25
YES								
L0002232	0	0.52356E-02	448459.1	3764595.0	244.5	3.49	6.51	3.25
YES								
L0002233	0	0.52356E-02	448458.8	3764609.0	244.7	3.49	6.51	3.25
YES								
L0002234	0	0.52356E-02	448458.4	3764623.0	244.9	3.49	6.51	3.25
YES								
L0002235	0	0.52356E-02	448458.0	3764637.0	245.1	3.49	6.51	3.25
YES								
L0002236	0	0.52356E-02	448457.7	3764651.0	245.2	3.49	6.51	3.25
YES								
L0002237	0	0.52356E-02	448457.3	3764665.0	245.4	3.49	6.51	3.25
YES								
L0002238	0	0.52356E-02	448456.9	3764679.0	245.6	3.49	6.51	3.25
YES								

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAS\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***

*** 09:18:50

L0001137	0	0.15873E-01	448753.9	3762401.6	222.2	3.49	6.51	3.25
YES								
L0001138	0	0.15873E-01	448767.6	3762404.2	222.4	3.49	6.51	3.25
YES								
L0001139	0	0.15873E-01	448781.4	3762406.8	222.5	3.49	6.51	3.25
YES								
L0001140	0	0.15873E-01	448795.0	3762410.1	222.7	3.49	6.51	3.25
YES								
L0001141	0	0.15873E-01	448808.6	3762413.5	222.9	3.49	6.51	3.25
YES								
L0001142	0	0.15873E-01	448822.1	3762416.9	222.8	3.49	6.51	3.25
YES								
L0001143	0	0.15873E-01	448835.7	3762420.3	222.7	3.49	6.51	3.25
YES								
L0001144	0	0.15873E-01	448849.3	3762423.7	222.6	3.49	6.51	3.25
YES								
L0001145	0	0.15873E-01	448862.9	3762427.1	222.6	3.49	6.51	3.25
YES								
L0001146	0	0.15873E-01	448876.2	3762431.3	222.7	3.49	6.51	3.25
YES								
L0001147	0	0.15873E-01	448889.4	3762436.1	222.8	3.49	6.51	3.25
YES								
L0001148	0	0.15873E-01	448902.5	3762441.0	222.9	3.49	6.51	3.25
YES								
L0001149	0	0.15873E-01	448915.6	3762445.8	222.9	3.49	6.51	3.25
YES								
L0001150	0	0.15873E-01	448928.8	3762450.6	223.0	3.49	6.51	3.25
YES								
L0001151	0	0.15873E-01	448941.9	3762455.4	223.1	3.49	6.51	3.25
YES								
L0001152	0	0.15873E-01	448955.1	3762460.3	223.3	3.49	6.51	3.25
YES								
L0001153	0	0.15873E-01	448968.2	3762465.1	223.4	3.49	6.51	3.25
YES								
L0001154	0	0.15873E-01	448981.3	3762469.9	223.5	3.49	6.51	3.25
YES								
L0001155	0	0.15873E-01	448994.5	3762474.8	223.5	3.49	6.51	3.25
YES								
L0001156	0	0.15873E-01	449007.6	3762479.6	223.6	3.49	6.51	3.25
YES								
L0001157	0	0.15873E-01	449020.8	3762484.4	223.6	3.49	6.51	3.25
YES								
L0001158	0	0.15873E-01	449033.9	3762489.2	223.8	3.49	6.51	3.25
YES								
L0001159	0	0.15873E-01	449047.0	3762494.1	224.0	3.49	6.51	3.25
YES								
L0001160	0	0.15873E-01	449060.2	3762498.9	224.1	3.49	6.51	3.25
YES								
L0001161	0	0.15873E-01	449073.3	3762503.7	224.1	3.49	6.51	3.25
YES								
L0001162	0	0.15873E-01	449086.5	3762508.6	224.2	3.49	6.51	3.25
YES								
L0001163	0	0.15873E-01	449099.6	3762513.4	224.2	3.49	6.51	3.25
YES								
L0001164	0	0.15873E-01	449112.7	3762518.2	224.2	3.49	6.51	3.25
YES								
L0001165	0	0.15873E-01	449125.9	3762523.0	224.3	3.49	6.51	3.25
YES								
L0001166	0	0.15873E-01	449139.0	3762527.9	224.4	3.49	6.51	3.25
YES								
L0001167	0	0.15873E-01	449152.2	3762532.7	224.4	3.49	6.51	3.25
YES								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

L0001859	0	0.15873E-01	448968.2	3762465.1	223.4	3.49	6.51	3.25
YES								
L0001860	0	0.15873E-01	448981.3	3762469.9	223.5	3.49	6.51	3.25
YES								
L0001861	0	0.15873E-01	448994.5	3762474.8	223.5	3.49	6.51	3.25
YES								
L0001862	0	0.15873E-01	449007.6	3762479.6	223.6	3.49	6.51	3.25
YES								
L0001863	0	0.15873E-01	449020.8	3762484.4	223.6	3.49	6.51	3.25
YES								
L0001864	0	0.15873E-01	449033.9	3762489.2	223.8	3.49	6.51	3.25
YES								
L0001865	0	0.15873E-01	449047.0	3762494.1	224.0	3.49	6.51	3.25
YES								
L0001866	0	0.15873E-01	449060.2	3762498.9	224.1	3.49	6.51	3.25
YES								
L0001867	0	0.15873E-01	449073.3	3762503.7	224.1	3.49	6.51	3.25
YES								
L0001868	0	0.15873E-01	449086.5	3762508.6	224.2	3.49	6.51	3.25
YES								
L0001869	0	0.15873E-01	449099.6	3762513.4	224.2	3.49	6.51	3.25
YES								
L0001870	0	0.15873E-01	449112.7	3762518.2	224.2	3.49	6.51	3.25
YES								
L0001871	0	0.15873E-01	449125.9	3762523.0	224.3	3.49	6.51	3.25
YES								
L0001872	0	0.15873E-01	449139.0	3762527.9	224.4	3.49	6.51	3.25
YES								
L0001873	0	0.15873E-01	449152.2	3762532.7	224.4	3.49	6.51	3.25
YES								
L0001874	0	0.15873E-01	449165.3	3762537.5	224.5	3.49	6.51	3.25
YES								
L0001875	0	0.15873E-01	449178.5	3762542.3	224.5	3.49	6.51	3.25
YES								
L0001876	0	0.15873E-01	449191.6	3762547.2	224.5	3.49	6.51	3.25
YES								
L0001877	0	0.15873E-01	449204.7	3762552.0	224.5	3.49	6.51	3.25
YES								
L0001878	0	0.15873E-01	449217.9	3762556.8	224.5	3.49	6.51	3.25
YES								
L0001879	0	0.15873E-01	449231.0	3762561.7	224.4	3.49	6.51	3.25
YES								
L0001880	0	0.15873E-01	449244.2	3762566.5	224.5	3.49	6.51	3.25
YES								
L0001881	0	0.15873E-01	449257.3	3762571.3	224.5	3.49	6.51	3.25
YES								
L0001882	0	0.15873E-01	449270.4	3762576.1	224.4	3.49	6.51	3.25
YES								
L0001883	0	0.15873E-01	449283.6	3762581.0	224.3	3.49	6.51	3.25
YES								
L0002266	0	0.24390E-01	447576.8	3762765.5	227.4	3.49	4.00	3.25
YES								
L0002267	0	0.24390E-01	447578.1	3762757.0	227.3	3.49	4.00	3.25
YES								
L0002268	0	0.24390E-01	447579.3	3762748.5	227.2	3.49	4.00	3.25
YES								
L0002269	0	0.24390E-01	447580.6	3762740.0	227.1	3.49	4.00	3.25
YES								
L0002270	0	0.24390E-01	447581.9	3762731.5	227.0	3.49	4.00	3.25
YES								
L0002271	0	0.24390E-01	447583.2	3762723.0	226.9	3.49	4.00	3.25
YES								
L0002272	0	0.24390E-01	447584.4	3762714.5	226.9	3.49	4.00	3.25
YES								

L0001044 , L0001045 , L0001046 , L0001047 , L0001048 , L0001049 ,
L0001050 , L0001051 ,

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

PAGE 47

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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L0001074 , L0001075 ,

L0001076 , L0001077 , L0001078 , L0001079 , L0001080 , L0001081 ,
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L0001098 , L0001099 ,

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L0001106 , L0001107 ,

L0001108 , L0001109 , L0001110 , L0001111 , L0001112 , L0001113 ,
L0001114 ,

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L0000516 , L0000517 ,

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L0000524 , L0000525 ,

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L0000540 , L0000541 ,

L0000542 , L0000543 , L0000544 , L0000545 , L0000546 , L0000547 ,
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 L0000604 , L0000605 ,

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 Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 48

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0000606 , L0000607 , L0000608 , L0000609 , L0000610 , L0000611 ,
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 L0000620 , L0000621 ,

L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 ,
 L0000628 , L0000629 ,

L0000630 , L0000631 , L0000632 , L0000633 ,

1OR15 L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , L0000639 ,
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L0000642 , L0000643 , L0000644 , L0000645 , L0000646 , L0000647 ,
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 L0000712 , L0000713 ,

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 L0000720 , L0000721 ,

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 Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 49

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***
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*** 09:18:50

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PAGE 50

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***
*** *** 09:18:50

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PAGE 51

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs					
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L0000212	, L0000213	,				
L0000214	, L0000215	, L0000216	, L0000217	, L0000218	, L0000219	,
L0000220	, L0000221	,				
L0000222	, L0000223	, L0000224	, L0000225	, L0000226	, L0000227	,
L0000228	, L0000229	,				
L0000230	, L0000231	, L0000232	, L0000233	,		
2H25 L0002075	, L0002076	, L0002077	, L0002078	, L0002079	, L0002080	,
L0002081	, L0002082	,				
L0002083	, L0002084	, L0002085	, L0002086	, L0002087	, L0002088	,
L0002089	, L0002090	,				

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 *** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 52

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0002195 , L0002196 , L0002197 , L0002198 , L0002199 , L0002200 ,
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 L0002209 , L0002210 ,

 L0002211 , L0002212 , L0002213 , L0002214 , L0002215 , L0002216 ,
 L0002217 , L0002218 ,

 L0002219 , L0002220 , L0002221 , L0002222 , L0002223 , L0002224 ,
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L0002274 , L0002275 , L0002276 , L0002277 , L0002278 , L0002279 ,
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L0002282 , L0002283 , L0002284 , L0002285 , L0002286 , L0002287 ,
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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
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*** AERMET - VERSION 16216 ***
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*** 09:18:50

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PAGE 53

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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L0001218 , L0001219 , L0001220 , L0001221 , L0001222 , L0001223 ,
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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 54


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

	L0001378	,	L0001379	,	L0001380	,	L0001381	,	L0001382	,	L0001383	,
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	L0001392	,	L0001393	,								
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	L0001400	,	L0001401	,								
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	L0001408	,	L0001409	,								
	L0001410	,										
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	L0001715	,	L0001716	,								
	L0001717	,	L0001718	,	L0001719	,	L0001720	,	L0001721	,	L0001722	,
	L0001723	,	L0001724	,								
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	L0001757	,										
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	L0001875	,	L0001876	,								


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 *** AERMET - VERSION 16216 ***

*** 09:18:50

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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4BLOAD 4BLOAD ,

4BREF 4BREF ,

4BSPILL 4BSPILL ,

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Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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5CBRE 5CBRE ,

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5CREF 5CREF ,

5CSPILL 5CSPILL ,

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*** AERMET - VERSION 16216 ***

09:18:50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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6BLOAD	6BLOAD	,					
6BREF	6BREF	,					
6BSPILL	6BSPILL	,					
8BREAT	8BREAT	,					
8LOAD	8LOAD	,					
8REF	8REF	,					

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09:18:50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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	L0000133	,	L0000104	,		,		,	L0000132
	L0000105	,	L0000106	,	L0000107	,	L0000108	,	L0000109
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	L0000089	,	L0000090	,		,		,	L0000118
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	L0000097	,	L0000098	,		,		,	L0000096
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	L0000143	,	L0000144	,		,		,	L0000142
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	L0000151	,	L0000152	,		,		,	L0000150
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*** AERMET - VERSION 16216 ***

09:18:50

PAGE 59

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 60

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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*** AERMET - VERSION 16216 ***
*** 09:18:50

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PAGE 61

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 62

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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 Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 63

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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*** AERMET - VERSION 16216 ***
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*** 09:18:50

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PAGE 64

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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SRCGROUP ID
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SOURCE IDs
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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 65

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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 L0000983 , L0000984 , L0000985 , L0000986 , L0000987 , L0000988 ,
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 L0000997 , L0000998 ,
 L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 ,
 L0001005 , L0001006 ,
 L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 ,
 L0001013 , L0001014 ,
 L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 ,
 L0001021 , L0001022 ,
 L0001023 , L0001024 , L0001025 , L0001026 , L0001027 , L0001028 ,
 L0001029 , L0001030 ,
 L0001031 , L0001032 , L0001033 , L0001034 , L0001035 , L0001036 ,
 L0001037 , L0001038 ,
 L0001039 , L0001040 , L0001041 , L0001042 , L0001043 , L0001044 ,
 L0001045 , L0001046 ,
 L0001047 , L0001048 , L0001049 , L0001050 , L0001051 , L0001052 ,
 L0001053 , L0001054 ,
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 L0001061 , L0001062 ,
 L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 ,
 L0001069 , L0001070 ,

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich

Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0002191	,	L0002192	,	L0002193	,	L0002194	,	L0002195	,	L0002196	,
L0002197	,	L0002198	,								
L0002199	,	L0002200	,	L0002201	,	L0002202	,	L0002203	,	L0002204	,
L0002205	,	L0002206	,								
L0002207	,	L0002208	,	L0002209	,	L0002210	,	L0002211	,	L0002212	,
L0002213	,	L0002214	,								
L0002215	,	L0002216	,	L0002217	,	L0002218	,	L0002219	,	L0002220	,
L0002221	,	L0002222	,								
L0002223	,	L0002224	,	L0002225	,	L0002226	,	L0002227	,	L0002228	,
L0002229	,	L0002230	,								
L0002231	,	L0002232	,	L0002233	,	L0002234	,	L0002235	,	L0002236	,
L0002237	,	L0002238	,								
L0002239	,	L0002240	,	L0002241	,	L0002242	,	L0002243	,	L0002244	,
L0002245	,	L0002246	,								
L0002247	,	L0002248	,	L0002249	,	L0002250	,	L0002251	,	L0002252	,
L0002253	,	L0002254	,								
L0002255	,	L0002256	,	L0002257	,	L0002258	,	L0002259	,	L0002260	,
L0002261	,	L0002262	,								
L0002263	,	L0002264	,	L0002265	,	L0001115	,	L0001116	,	L0001117	,
L0001118	,	L0001119	,								
L0001120	,	L0001121	,	L0001122	,	L0001123	,	L0001124	,	L0001125	,
L0001126	,	L0001127	,								
L0001128	,	L0001129	,	L0001130	,	L0001131	,	L0001132	,	L0001133	,
L0001134	,	L0001135	,								
L0001136	,	L0001137	,	L0001138	,	L0001139	,	L0001140	,	L0001141	,
L0001142	,	L0001143	,								
L0001144	,	L0001145	,	L0001146	,	L0001147	,	L0001148	,	L0001149	,
L0001150	,	L0001151	,								
L0001152	,	L0001153	,	L0001154	,	L0001155	,	L0001156	,	L0001157	,
L0001158	,	L0001159	,								
L0001160	,	L0001161	,	L0001162	,	L0001163	,	L0001164	,	L0001165	,
L0001166	,	L0001167	,								
L0001168	,	L0001169	,	L0001170	,	L0001171	,	L0001172	,	L0001173	,
L0001174	,	L0001175	,								

L0001176 , L0001177 , L0001821 , L0001822 , L0001823 , L0001824 ,
 L0001825 , L0001826 ,
 L0001827 , L0001828 , L0001829 , L0001830 , L0001831 , L0001832 ,
 L0001833 , L0001834 ,
 L0001835 , L0001836 , L0001837 , L0001838 , L0001839 , L0001840 ,
 L0001841 , L0001842 ,

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 68

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0001843 , L0001844 , L0001845 , L0001846 , L0001847 , L0001848 ,
 L0001849 , L0001850 ,
 L0001851 , L0001852 , L0001853 , L0001854 , L0001855 , L0001856 ,
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 L0001859 , L0001860 , L0001861 , L0001862 , L0001863 , L0001864 ,
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 L0001867 , L0001868 , L0001869 , L0001870 , L0001871 , L0001872 ,
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 L0001875 , L0001876 , L0001877 , L0001878 , L0001879 , L0001880 ,
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 L0001883 , L0002266 , L0002267 , L0002268 , L0002269 , L0002270 ,
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 L0002273 , L0002274 , L0002275 , L0002276 , L0002277 , L0002278 ,
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 L0002295 , L0002296 ,
 L0002297 , L0002298 , L0002299 , L0002300 , L0002301 , L0002302 ,
 L0002303 , L0002304 ,
 L0002305 , L0002306 , 5CREF , 5CSPILL , 5CLOAD , 5CBRE ,
 10BREF , 10BSPILL ,
 10BBREAT , 10BLOAD , 4BREF , 4BSPILL , 4BBREAT , 4BLOAD ,
 6BREF , 6BSPILL ,
 6BBREAT , 6BLOAD , 8REF , 8SPILL , 8BREAT , 8LOAD ,
 5BREF , 5BSPILL ,
 5BBREAT , 5BLOAD ,

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*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
L0000126	2035210. L0000124	L0000119 , L0000125	, L0000120	, L0000121	, L0000122	, L0000123	,
	L0000127 L0000133	, L0000128 , L0000104	, L0000129	, L0000130	, L0000131	, L0000132	,
	L0000105 L0000111	, L0000106 , L0000112	, L0000107	, L0000108	, L0000109	, L0000110	,
	L0000113 L0000089	, L0000114 , L0000090	, L0000115	, L0000116	, L0000117	, L0000118	,
	L0000091 L0000097	, L0000092 , L0000098	, L0000093	, L0000094	, L0000095	, L0000096	,
	L0000099 L0000135	, L0000100 , L0000136	, L0000101	, L0000102	, L0000103	, L0000134	,
	L0000137 L0000143	, L0000138 , L0000144	, L0000139	, L0000140	, L0000141	, L0000142	,
	L0000145 L0000151	, L0000146 , L0000152	, L0000147	, L0000148	, L0000149	, L0000150	,
	L0000153 L0000159	, L0000154 , L0000160	, L0000155	, L0000156	, L0000157	, L0000158	,
	L0000161 L0000167	, L0000162 , L0000168	, L0000163	, L0000164	, L0000165	, L0000166	,
	L0000169 L0000175	, L0000170 , L0000176	, L0000171	, L0000172	, L0000173	, L0000174	,
	L0000177 L0000183	, L0000178 , L0000184	, L0000179	, L0000180	, L0000181	, L0000182	,
	L0000185 L0000191	, L0000186 , L0000192	, L0000187	, L0000188	, L0000189	, L0000190	,
	L0000193 L0000199	, L0000194 , L0000200	, L0000195	, L0000196	, L0000197	, L0000198	,
	L0000201 L0000207	, L0000202 , L0000208	, L0000203	, L0000204	, L0000205	, L0000206	,
	L0000209 L0000215	, L0000210 , L0000216	, L0000211	, L0000212	, L0000213	, L0000214	,
	L0000217 L0000223	, L0000218 , L0000224	, L0000219	, L0000220	, L0000221	, L0000222	,
	L0000225 L0000231	, L0000226 , L0000232	, L0000227	, L0000228	, L0000229	, L0000230	,

L0000233 , L0000234 , L0000235 , L0000236 , L0000237 , L0000238 ,
L0000239 , L0000240 ,

L0000241 , L0000242 , L0000243 , L0000244 , L0000245 , L0000246 ,
L0000247 , L0000248 ,

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*** AERMET - VERSION 16216 ***

09:18:50

PAGE 70

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	
L0000249	, L0000250	, L0000251	, L0000252	, L0000253	, L0000254	,	
L0000255	, L0000256	,					
L0000257	, L0000258	, L0000259	, L0000260	, L0000261	, L0000262	,	
L0000263	, L0000264	,					
L0000265	, L0000266	, L0000267	, L0000268	, L0000269	, L0000270	,	
L0000271	, L0000272	,					
L0000273	, L0000274	, L0000275	, L0000276	, L0000277	, L0000278	,	
L0000279	, L0000280	,					
L0000281	, L0000282	, L0000283	, L0000284	, L0000285	, L0000286	,	
L0000287	, L0000288	,					
L0000289	, L0000290	, L0000291	, L0000292	, L0000293	, L0000294	,	
L0000295	, L0000296	,					
L0000297	, L0000298	, L0000299	, L0000300	, L0000301	, L0000302	,	
L0000303	, L0000304	,					
L0000305	, L0000306	, L0000307	, L0000308	, L0000309	, L0000310	,	
L0000311	, L0000312	,					
L0000313	, L0000314	, L0000315	, L0000316	, L0000317	, L0000318	,	
L0000319	, L0000320	,					
L0000321	, L0000322	, L0000323	, L0000324	, L0000325	, L0000326	,	
L0000327	, L0000328	,					
L0000329	, L0000330	, L0000331	, L0000332	, L0000333	, L0000334	,	
L0000335	, L0000336	,					
L0000337	, L0000338	, L0000339	, L0000340	, L0000341	, L0000342	,	
L0000343	, L0000344	,					
L0000345	, L0000346	, L0000347	, L0000348	, L0000349	, L0000350	,	
L0000351	, L0000352	,					
L0000353	, L0000354	, L0000355	, L0000356	, L0000357	, L0000358	,	
L0000359	, L0000360	,					
L0000361	, L0000362	, L0000363	, L0000364	, L0000365	, L0000366	,	
L0000367	, L0000368	,					

L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 ,
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 L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 ,
 L0000383 , L0000384 ,

 L0000385 , L0000386 , L0000387 , L0000388 , L0000389 , L0000390 ,
 L0000391 , L0000392 ,

 L0000393 , L0000394 , L0000395 , L0000396 , L0000397 , L0000398 ,
 L0000399 , L0000400 ,

 L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 ,
 L0000407 , L0000408 ,

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 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 71

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0000409	L0000410	L0000411	L0000412	L0000413	L0000414		
L0000415	L0000416						
L0000417	L0000418	L0000419	L0000420	L0000421	L0000422		
L0000423	L0000424						
L0000425	L0000426	L0000427	L0000428	L0000429	L0000430		
L0000431	L0000432						
L0000433	L0000434	L0000435	L0000436	L0000437	L0000438		
L0000439	L0000440						
L0000441	L0000442	L0000443	L0000444	L0000445	L0000446		
L0000447	L0000448						
L0000449	L0000450	L0000451	L0000452	L0000453	L0000454		
L0000455	L0000456						
L0000457	L0000458	L0000459	L0000460	L0000461	L0000462		
L0000463	L0000464						
L0000465	L0000466	L0000467	L0000468	L0000469	L0000470		
L0000471	L0000472						
L0000473	L0000474	L0000475	L0000476	L0000477	L0000478		
L0000479	L0000480						
L0000481	L0000482	L0000483	L0000484	L0000485	L0000486		
L0000487	L0000488						
L0000489	L0000490	L0000491	L0000492	L0000493	L0000494		
L0000495	L0000496						
L0000497	L0000498	L0000499	L0000500	L0000501	L0000502		
L0000503	L0000504						
L0000505	L0000506	L0000507	L0000508	L0000509	L0000510		

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 L0000513 , L0000514 , L0000515 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 ,
 L0000521 , L0000522 , L0000523 , L0000524 , L0000525 , L0000526 ,
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 L0000535 , L0000536 ,
 L0000537 , L0000538 , L0000539 , L0000540 , L0000541 , L0000542 ,
 L0000543 , L0000544 ,
 L0000545 , L0000546 , L0000547 , L0000548 , L0000549 , L0000550 ,
 L0000551 , L0000552 ,
 L0000553 , L0000554 , L0000555 , L0000556 , L0000557 , L0000558 ,
 L0000559 , L0000560 ,
 L0000561 , L0000562 , L0000563 , L0000564 , L0000565 , L0000566 ,
 L0000567 , L0000568 ,

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*** AERMET - VERSION 16216 ***

09:18:50

PAGE 72

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0000569	L0000570	L0000571	L0000572	L0000573	L0000574		
L0000575	L0000576						
L0000577	L0000578	L0000579	L0000580	L0000581	L0000582		
L0000583	L0000584						
L0000585	L0000586	L0000587	L0000588	L0000589	L0000590		
L0000591	L0000592						
L0000593	L0000594	L0000595	L0000596	L0000597	L0000598		
L0000599	L0000600						
L0000601	L0000602	L0000603	L0000604	L0000605	L0000606		
L0000607	L0000608						
L0000609	L0000610	L0000611	L0000612	L0000613	L0000614		
L0000615	L0000616						
L0000617	L0000618	L0000619	L0000620	L0000621	L0000622		
L0000623	L0000624						
L0000625	L0000626	L0000627	L0000628	L0000629	L0000630		
L0000631	L0000632						
L0000633	L0000634	L0000635	L0000636	L0000637	L0000638		
L0000639	L0000640						
L0000641	L0000642	L0000643	L0000644	L0000645	L0000646		
L0000647	L0000648						

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L0000649 , L0000650 , L0000651 , L0000652 , L0000653 , L0000654 ,
L0000655 , L0000656 ,

L0000657 , L0000658 , L0000659 , L0000660 , L0000661 , L0000662 ,
L0000663 , L0000664 ,

L0000665 , L0000666 , L0000667 , L0000668 , L0000669 , L0000670 ,
L0000671 , L0000672 ,

L0000673 , L0000674 , L0000675 , L0000676 , L0000677 , L0000678 ,
L0000679 , L0000680 ,

L0000681 , L0000682 , L0000683 , L0000684 , L0000685 , L0000686 ,
L0000687 , L0000688 ,

L0000689 , L0000690 , L0000691 , L0000692 , L0000693 , L0000694 ,
L0000695 , L0000696 ,

L0000697 , L0000698 , L0000699 , L0000700 , L0000701 , L0000702 ,
L0000703 , L0000704 ,

L0000705 , L0000706 , L0000707 , L0000708 , L0000709 , L0000710 ,
L0000711 , L0000712 ,

L0000713 , L0000714 , L0000715 , L0000716 , L0000717 , L0000718 ,
L0000719 , L0000720 ,

L0000721 , L0000722 , L0000723 , L0000724 , L0000725 , L0000726 ,
L0000727 , L0000728 ,

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*** 09:18:50

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0000729	, L0000730	, L0000731	, L0000732	, L0000733	, L0000734	,	
L0000735	, L0000736	,					
L0000737	, L0000738	, L0000739	, L0000740	, L0000741	, L0000742	,	
L0000743	, L0000744	,					
L0000745	, L0000746	, L0000747	, L0000748	, L0000749	, L0000750	,	
L0000751	, L0000752	,					
L0000753	, L0000754	, L0000755	, L0000756	, L0000757	, L0000758	,	
L0000759	, L0000760	,					
L0000761	, L0000762	, L0000763	, L0000764	, L0000765	, L0000766	,	
L0000767	, L0000768	,					
L0000769	, L0000770	, L0000771	, L0000772	, L0000773	, L0000774	,	
L0000775	, L0000776	,					
L0000777	, L0000778	, L0000779	, L0000780	, L0000781	, L0000782	,	
L0000783	, L0000784	,					

L0000785 , L0000786 , L0000787 , L0000788 , L0000789 , L0000790 ,
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 L0000799 , L0000800 ,

 L0000801 , L0000802 , L0000803 , L0000804 , L0000805 , L0000806 ,
 L0000807 , L0000808 ,

 L0000809 , L0000810 , L0000811 , L0000812 , L0000813 , L0000814 ,
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 L0000823 , L0000824 ,

 L0000825 , L0000826 , L0000827 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 ,

 L0000833 , L0000834 , L0000835 , L0000836 , L0000837 , L0000838 ,
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 L0000849 , L0000850 , L0000851 , L0000852 , L0000853 , L0000854 ,
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 L0001190 , L0001191 ,

 L0001192 , L0001193 , L0001194 , L0001195 , L0001196 , L0001197 ,
 L0001198 , L0001199 ,

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 *** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 74

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0001200	L0001206	L0001201	L0001202	L0001203	L0001204	L0001205	
L0001208	L0001214	L0001209	L0001210	L0001211	L0001212	L0001213	
L0001216	L0001222	L0001217	L0001218	L0001219	L0001220	L0001221	
L0001224	L0001230	L0001225	L0001226	L0001227	L0001228	L0001229	
L0001232		L0001233	L0001234	L0001235	L0001236	L0001237	

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L0001238 , L0001239 ,
L0001240 , L0001241 , L0001242 , L0001243 , L0001244 , L0001245 ,
L0001246 , L0001247 ,
L0001248 , L0001249 , L0001250 , L0001251 , L0001252 , L0001253 ,
L0001254 , L0001255 ,
L0001256 , L0001257 , L0001258 , L0001259 , L0001260 , L0001261 ,
L0001262 , L0001263 ,
L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 ,
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L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 ,
L0001278 , L0001279 ,
L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 ,
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L0001310 , L0001311 ,
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L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
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L0001342 , L0001343 ,
L0001344 , L0001345 , L0001346 , L0001347 , L0001348 , L0001349 ,
L0001350 , L0001351 ,
L0001352 , L0001353 , L0001354 , L0001355 , L0001356 , L0001357 ,
L0001358 , L0001359 ,

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*** *** 09:18:50

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PAGE 75

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0001360	L0001361	L0001362	L0001363	L0001364	L0001365		
L0001366	L0001367						
L0001368	L0001369	L0001370	L0001371	L0001372	L0001373		
L0001374	L0001375						

L0001376 , L0001377 , L0001378 , L0001379 , L0001380 , L0001381 ,
 L0001382 , L0001383 ,

 L0001384 , L0001385 , L0001386 , L0001387 , L0001388 , L0001389 ,
 L0001390 , L0001391 ,

 L0001392 , L0001393 , L0001394 , L0001395 , L0001396 , L0001397 ,
 L0001398 , L0001399 ,

 L0001400 , L0001401 , L0001402 , L0001403 , L0001404 , L0001405 ,
 L0001406 , L0001407 ,

 L0001408 , L0001409 , L0001410 , L0000867 , L0000868 , L0000869 ,
 L0000870 , L0000871 ,

 L0000872 , L0000873 , L0000874 , L0000875 , L0000876 , L0000877 ,
 L0000878 , L0000879 ,

 L0000880 , L0000881 , L0000882 , L0000883 , L0000884 , L0000885 ,
 L0000886 , L0000887 ,

 L0000888 , L0000889 , L0000890 , L0000891 , L0000892 , L0000893 ,
 L0000894 , L0000895 ,

 L0000896 , L0000897 , L0000898 , L0000899 , L0000900 , L0000901 ,
 L0000902 , L0000903 ,

 L0000904 , L0000905 , L0000906 , L0000907 , L0000908 , L0000909 ,
 L0000910 , L0000911 ,

 L0000912 , L0000913 , L0000914 , L0000915 , L0000916 , L0000917 ,
 L0000918 , L0000919 ,

 L0000920 , L0000921 , L0000922 , L0000923 , L0001701 , L0001702 ,
 L0001703 , L0001704 ,

 L0001705 , L0001706 , L0001707 , L0001708 , L0001709 , L0001710 ,
 L0001711 , L0001712 ,

 L0001713 , L0001714 , L0001715 , L0001716 , L0001717 , L0001718 ,
 L0001719 , L0001720 ,

 L0001721 , L0001722 , L0001723 , L0001724 , L0001725 , L0001726 ,
 L0001727 , L0001728 ,

 L0001729 , L0001730 , L0001731 , L0001732 , L0001733 , L0001734 ,
 L0001735 , L0001736 ,

 L0001737 , L0001738 , L0001739 , L0001740 , L0001741 , L0001742 ,
 L0001743 , L0001744 ,

 L0001745 , L0001746 , L0001747 , L0001748 , L0001749 , L0001750 ,
 L0001751 , L0001752 ,

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 76

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID URBAN POP

SOURCE IDs

```

L0001753 , L0001754 , L0001755 , L0001756 , L0001757 , L0000924 ,
L0000925 , L0000926 ,

L0000927 , L0000928 , L0000929 , L0000930 , L0000931 , L0000932 ,
L0000933 , L0000934 ,

L0000935 , L0000936 , L0000937 , L0000938 , L0000939 , L0000940 ,
L0000941 , L0000942 ,

L0000943 , L0000944 , L0000945 , L0000946 , L0000947 , L0000948 ,
L0000949 , L0000950 ,

L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 ,
L0000957 , L0000958 ,

L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 ,
L0000965 , L0000966 ,

L0000967 , L0000968 , L0000969 , L0000970 , L0000971 , L0000972 ,
L0000973 , L0000974 ,

L0000975 , L0000976 , L0000977 , L0000978 , L0000979 , L0000980 ,
L0000981 , L0000982 ,

L0000983 , L0000984 , L0000985 , L0000986 , L0000987 , L0000988 ,
L0000989 , L0000990 ,

L0000991 , L0000992 , L0000993 , L0000994 , L0000995 , L0000996 ,
L0000997 , L0000998 ,

L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 ,
L0001005 , L0001006 ,

L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 ,
L0001013 , L0001014 ,

L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 ,
L0001021 , L0001022 ,

L0001023 , L0001024 , L0001025 , L0001026 , L0001027 , L0001028 ,
L0001029 , L0001030 ,

L0001031 , L0001032 , L0001033 , L0001034 , L0001035 , L0001036 ,
L0001037 , L0001038 ,

L0001039 , L0001040 , L0001041 , L0001042 , L0001043 , L0001044 ,
L0001045 , L0001046 ,

L0001047 , L0001048 , L0001049 , L0001050 , L0001051 , L0001052 ,
L0001053 , L0001054 ,

L0001055 , L0001056 , L0001057 , L0001058 , L0001059 , L0001060 ,
L0001061 , L0001062 ,

L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 ,
L0001069 , L0001070 ,

L0001071 , L0001072 , L0001073 , L0001074 , L0001075 , L0001076 ,
L0001077 , L0001078 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID -----	URBAN POP -----	SOURCE IDs -----						
L0001079 L0001085	, ,	L0001080 L0001086	, ,	L0001081 ,	, ,	L0001082 L0001083	, ,	L0001084 ,
L0001087 L0001093	, ,	L0001088 L0001094	, ,	L0001089 ,	, ,	L0001090 L0001091	, ,	L0001092 ,
L0001095 L0001101	, ,	L0001096 L0001102	, ,	L0001097 ,	, ,	L0001098 L0001099	, ,	L0001100 ,
L0001103 L0001109	, ,	L0001104 L0001110	, ,	L0001105 ,	, ,	L0001106 L0001107	, ,	L0001108 ,
L0001111 L0002077	, ,	L0001112 L0002078	, ,	L0001113 ,	, ,	L0001114 L0002075	, ,	L0002076 ,
L0002079 L0002085	, ,	L0002080 L0002086	, ,	L0002081 ,	, ,	L0002082 L0002083	, ,	L0002084 ,
L0002087 L0002093	, ,	L0002088 L0002094	, ,	L0002089 ,	, ,	L0002090 L0002091	, ,	L0002092 ,
L0002095 L0002101	, ,	L0002096 L0002102	, ,	L0002097 ,	, ,	L0002098 L0002099	, ,	L0002100 ,
L0002103 L0002109	, ,	L0002104 L0002110	, ,	L0002105 ,	, ,	L0002106 L0002107	, ,	L0002108 ,
L0002111 L0002117	, ,	L0002112 L0002118	, ,	L0002113 ,	, ,	L0002114 L0002115	, ,	L0002116 ,
L0002119 L0002125	, ,	L0002120 L0002126	, ,	L0002121 ,	, ,	L0002122 L0002123	, ,	L0002124 ,
L0002127 L0002133	, ,	L0002128 L0002134	, ,	L0002129 ,	, ,	L0002130 L0002131	, ,	L0002132 ,
L0002135 L0002141	, ,	L0002136 L0002142	, ,	L0002137 ,	, ,	L0002138 L0002139	, ,	L0002140 ,
L0002143 L0002149	, ,	L0002144 L0002150	, ,	L0002145 ,	, ,	L0002146 L0002147	, ,	L0002148 ,
L0002151 L0002157	, ,	L0002152 L0002158	, ,	L0002153 ,	, ,	L0002154 L0002155	, ,	L0002156 ,
L0002159 L0002165	, ,	L0002160 L0002166	, ,	L0002161 ,	, ,	L0002162 L0002163	, ,	L0002164 ,
L0002167 L0002173	, ,	L0002168 L0002174	, ,	L0002169 ,	, ,	L0002170 L0002171	, ,	L0002172 ,
L0002175 L0002181	, ,	L0002176 L0002182	, ,	L0002177 ,	, ,	L0002178 L0002179	, ,	L0002180 ,
L0002183	, ,	L0002184	, ,	L0002185	, ,	L0002186	, ,	L0002187 L0002188

L0002189 , L0002190 ,

L0002191 , L0002192 , L0002193 , L0002194 , L0002195 , L0002196 ,
L0002197 , L0002198 ,

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

PAGE 78

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0002199	, L0002200	, L0002201	, L0002202	, L0002203	, L0002204	, L0002205	,
L0002207	, L0002208	, L0002209	, L0002210	, L0002211	, L0002212	, L0002213	,
L0002215	, L0002216	, L0002217	, L0002218	, L0002219	, L0002220	, L0002221	,
L0002223	, L0002224	, L0002225	, L0002226	, L0002227	, L0002228	, L0002229	,
L0002231	, L0002232	, L0002233	, L0002234	, L0002235	, L0002236	, L0002237	,
L0002239	, L0002240	, L0002241	, L0002242	, L0002243	, L0002244	, L0002245	,
L0002247	, L0002248	, L0002249	, L0002250	, L0002251	, L0002252	, L0002253	,
L0002255	, L0002256	, L0002257	, L0002258	, L0002259	, L0002260	, L0002261	,
L0002263	, L0002264	, L0002265	, L0001115	, L0001116	, L0001117	, L0001118	,
L0001120	, L0001121	, L0001122	, L0001123	, L0001124	, L0001125	, L0001126	,
L0001128	, L0001129	, L0001130	, L0001131	, L0001132	, L0001133	, L0001134	,
L0001136	, L0001137	, L0001138	, L0001139	, L0001140	, L0001141	, L0001142	,
L0001144	, L0001145	, L0001146	, L0001147	, L0001148	, L0001149	, L0001150	,
L0001152	, L0001153	, L0001154	, L0001155	, L0001156	, L0001157	, L0001158	,
L0001160	, L0001161	, L0001162	, L0001163	, L0001164	, L0001165	, L0001166	,
L0001168	, L0001169	, L0001170	, L0001171	, L0001172	, L0001173	, L0001174	,

L0001176 , L0001177 , L0001821 , L0001822 , L0001823 , L0001824 ,
 L0001825 , L0001826 ,
 L0001827 , L0001828 , L0001829 , L0001830 , L0001831 , L0001832 ,
 L0001833 , L0001834 ,
 L0001835 , L0001836 , L0001837 , L0001838 , L0001839 , L0001840 ,
 L0001841 , L0001842 ,
 L0001843 , L0001844 , L0001845 , L0001846 , L0001847 , L0001848 ,
 L0001849 , L0001850 ,

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 79

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
L0001851	L0001852	L0001853	L0001854	L0001855	L0001856		
L0001857	L0001858						
L0001859	L0001860	L0001861	L0001862	L0001863	L0001864		
L0001865	L0001866						
L0001867	L0001868	L0001869	L0001870	L0001871	L0001872		
L0001873	L0001874						
L0001875	L0001876	L0001877	L0001878	L0001879	L0001880		
L0001881	L0001882						
L0001883	L0002266	L0002267	L0002268	L0002269	L0002270		
L0002271	L0002272						
L0002273	L0002274	L0002275	L0002276	L0002277	L0002278		
L0002279	L0002280						
L0002281	L0002282	L0002283	L0002284	L0002285	L0002286		
L0002287	L0002288						
L0002289	L0002290	L0002291	L0002292	L0002293	L0002294		
L0002295	L0002296						
L0002297	L0002298	L0002299	L0002300	L0002301	L0002302		
L0002303	L0002304						
L0002305	L0002306	5CREF	5CSPILL	5CLOAD	5CBRE		
10BREF	10BSPILL						
10BBREAT	10BLOAD	4BREF	4BSPILL	4BBREAT	4BLOAD		
6BREF	6BSPILL						
6BBREAT	6BLOAD	8REF	8SPILL	8BREAT	8LOAD		
5BREF	5BSPILL						
5BBREAT	5BLOAD						

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 Haven\AQIA\14822 Ops *** 10/19/22

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(447362.2, 3764292.7, 240.7, 240.7, 0.0);	(447376.0, 3764151.0,
239.6, 239.6, 0.0);	
(447389.8, 3764043.0, 237.8, 237.8, 0.0);	(447450.2, 3764031.0,
237.5, 237.5, 0.0);	
(447410.2, 3764019.0, 237.5, 237.5, 0.0);	(446891.9, 3764451.2,
241.5, 241.5, 0.0);	
(446959.3, 3764451.2, 241.5, 241.5, 0.0);	(446995.3, 3764468.1,
241.8, 241.8, 0.0);	
(447007.4, 3764467.3, 241.9, 241.9, 0.0);	(447023.5, 3764466.1,
241.9, 241.9, 0.0);	
(447036.6, 3764466.2, 241.9, 241.9, 0.0);	(447052.7, 3764465.6,
242.0, 242.0, 0.0);	
(447066.6, 3764465.7, 242.1, 242.1, 0.0);	(447099.6, 3764456.2,
242.1, 242.1, 0.0);	
(447145.3, 3764468.3, 242.1, 242.1, 0.0);	(447175.5, 3764468.0,
241.7, 241.7, 0.0);	
(447205.3, 3764468.3, 241.3, 241.3, 0.0);	(447232.4, 3764467.5,
242.0, 242.0, 0.0);	
(447264.0, 3764467.3, 243.3, 243.3, 0.0);	(447294.8, 3764466.9,
243.8, 243.8, 0.0);	
(447365.0, 3764456.4, 243.3, 243.3, 0.0);	(447406.6, 3764460.6,
243.1, 243.1, 0.0);	
(447441.5, 3764460.0, 243.2, 243.2, 0.0);	(447466.9, 3764460.2,
243.2, 243.2, 0.0);	
(447490.0, 3764460.6, 242.9, 242.9, 0.0);	(447515.5, 3764460.4,
242.6, 242.6, 0.0);	
(447573.1, 3764454.3, 241.6, 241.6, 0.0);	(447598.5, 3764445.2,
241.8, 241.8, 0.0);	
(447652.9, 3764439.7, 243.1, 243.1, 0.0);	(447692.9, 3764439.5,
243.1, 243.1, 0.0);	
(447713.8, 3764439.1, 243.1, 243.1, 0.0);	(447732.0, 3764438.7,
243.2, 243.2, 0.0);	
(447751.1, 3764438.7, 243.3, 243.3, 0.0);	(447768.8, 3764437.5,
243.4, 243.4, 0.0);	
(447789.1, 3764437.7, 243.7, 243.7, 0.0);	(447805.7, 3764437.3,
243.8, 243.8, 0.0);	
(447824.0, 3764437.2, 243.9, 243.9, 0.0);	(447841.6, 3764437.9,
243.9, 243.9, 0.0);	
(447861.7, 3764437.5, 243.9, 243.9, 0.0);	(447881.7, 3764435.2,
243.8, 243.8, 0.0);	
(447902.8, 3764436.2, 243.8, 243.8, 0.0);	(447920.9, 3764435.3,
243.8, 243.8, 0.0);	
(447942.2, 3764435.3, 243.8, 243.8, 0.0);	(447962.8, 3764434.8,
243.8, 243.8, 0.0);	
(447980.7, 3764435.2, 243.8, 243.8, 0.0);	(448004.7, 3764435.2,
243.6, 243.6, 0.0);	
(448021.2, 3764434.7, 243.0, 243.0, 0.0);	(447662.7, 3764379.6,
243.6, 243.6, 0.0);	
(447681.3, 3764321.0, 243.4, 243.4, 0.0);	(447682.6, 3764285.8,
242.3, 242.3, 0.0);	
(447662.5, 3764238.4, 241.1, 241.1, 0.0);	(447661.7, 3764207.4,
240.2, 240.2, 0.0);	
(447683.1, 3764162.3, 239.1, 239.1, 0.0);	(447681.0, 3764145.9,
238.7, 238.7, 0.0);	
(447679.6, 3764130.3, 238.2, 238.2, 0.0);	(447680.8, 3764112.0,
237.8, 237.8, 0.0);	

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( 447681.5, 3764096.4, 237.6, 237.6, 0.0); ( 447680.8, 3764078.8,
237.4, 237.4, 0.0);
( 447680.0, 3764064.3, 237.4, 237.4, 0.0); ( 447681.0, 3764045.8,
237.5, 237.5, 0.0);
( 447680.6, 3764029.7, 237.5, 237.5, 0.0); ( 447657.2, 3763992.0,
237.3, 237.3, 0.0);
( 447656.3, 3763967.1, 237.5, 237.5, 0.0); ( 447657.2, 3763928.7,
237.5, 237.5, 0.0);
( 447657.2, 3763902.2, 237.6, 237.6, 0.0); ( 447657.5, 3763869.0,
237.3, 237.3, 0.0);
( 447656.2, 3763834.9, 237.4, 237.4, 0.0); ( 447655.9, 3763808.3,
237.5, 237.5, 0.0);
( 447657.1, 3763786.0, 237.6, 237.6, 0.0); ( 447701.2, 3763782.1,
237.7, 237.7, 0.0);
( 447856.9, 3763749.7, 236.2, 236.2, 0.0); ( 447855.0, 3763730.1,
236.0, 236.0, 0.0);
( 447854.3, 3763698.3, 235.6, 235.6, 0.0); ( 447855.3, 3763676.8,
235.4, 235.4, 0.0);
( 447675.5, 3763287.5, 232.0, 232.0, 0.0); ( 448481.3, 3763485.3,
235.6, 235.6, 0.0);
( 448480.0, 3763195.5, 232.0, 232.0, 0.0); ( 448478.6, 3762907.2,
229.4, 229.4, 0.0);
( 448497.9, 3762714.1, 228.1, 228.1, 0.0); ( 448507.9, 3762487.7,
225.8, 225.8, 0.0);
( 448480.5, 3762358.0, 224.8, 224.8, 0.0); ( 448462.7, 3762339.8,
224.6, 224.6, 0.0);
( 448464.5, 3762265.9, 223.3, 223.3, 0.0); ( 448461.6, 3762165.2,
222.0, 222.0, 0.0);
( 448472.6, 3762064.7, 220.0, 220.0, 0.0); ( 448460.5, 3762016.7,
219.4, 219.4, 0.0);
( 448234.6, 3761951.2, 220.0, 220.0, 0.0); ( 448081.4, 3761952.8,
220.9, 220.9, 0.0);
( 448025.5, 3761956.0, 221.0, 221.0, 0.0); ( 447506.8, 3761967.6,
220.0, 220.0, 0.0);

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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***
*** 09:18:50

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PAGE 81

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 447269.3, 3761967.7, 219.7, 219.7, 0.0); ( 447389.5, 3761908.8,
220.0, 220.0, 0.0);
( 447019.1, 3761964.3, 219.0, 219.0, 0.0); ( 447060.3, 3761963.6,
219.0, 219.0, 0.0);
( 446975.3, 3761963.2, 219.0, 219.0, 0.0); ( 446940.9, 3761953.8,
219.0, 219.0, 0.0);
( 446865.7, 3761974.5, 219.9, 219.9, 0.0); ( 446795.1, 3761957.9,
220.0, 220.0, 0.0);
( 446757.6, 3761965.8, 220.0, 220.0, 0.0); ( 446709.3, 3761967.7,
220.0, 220.0, 0.0);
( 446796.4, 3762028.6, 220.0, 220.0, 0.0); ( 446797.0, 3762045.3,
220.1, 220.1, 0.0);
( 446796.7, 3762089.5, 221.0, 221.0, 0.0); ( 446796.1, 3762105.9,
221.0, 221.0, 0.0);
( 446796.7, 3762137.3, 221.0, 221.0, 0.0); ( 446796.1, 3762153.4,
221.0, 221.0, 0.0);
( 446772.4, 3762215.4, 221.6, 221.6, 0.0); ( 446795.1, 3762321.0,
222.0, 222.0, 0.0);
( 446796.4, 3762451.0, 224.0, 224.0, 0.0); ( 446796.4, 3762471.2,
224.4, 224.4, 0.0);

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(446797.2, 3762496.0, 224.9, 224.9, 0.0); (446798.1, 3762516.5, 225.3, 225.3, 0.0);
(446797.8, 3762540.0, 225.7, 225.7, 0.0); (446797.5, 3762560.2, 225.9, 225.9, 0.0);
(446798.6, 3762584.8, 226.1, 226.1, 0.0); (446798.1, 3762604.4, 226.5, 226.5, 0.0);
(446799.7, 3762654.1, 227.5, 227.5, 0.0); (446800.0, 3762674.6, 228.0, 228.0, 0.0);
(446800.2, 3762700.2, 228.5, 228.5, 0.0); (446800.2, 3762721.3, 228.6, 228.6, 0.0);
(446800.0, 3762735.7, 228.6, 228.6, 0.0); (446797.8, 3762748.0, 228.6, 228.6, 0.0);
(446802.2, 3762913.5, 228.3, 228.3, 0.0); (446802.2, 3762932.6, 228.3, 228.3, 0.0);
(446802.4, 3762949.2, 228.3, 228.3, 0.0); (446803.0, 3762967.3, 228.3, 228.3, 0.0);
(446802.7, 3762986.1, 228.4, 228.4, 0.0); (446802.2, 3763003.3, 228.6, 228.6, 0.0);
(446802.2, 3763021.9, 228.8, 228.8, 0.0); (446802.7, 3763040.7, 229.0, 229.0, 0.0);
(446803.0, 3763059.3, 229.2, 229.2, 0.0); (446803.5, 3763077.0, 229.3, 229.3, 0.0);
(446756.3, 3763085.3, 228.7, 228.7, 0.0); (446807.7, 3763646.4, 234.6, 234.6, 0.0);
(446808.3, 3763674.7, 234.8, 234.8, 0.0); (446807.7, 3763694.6, 234.9, 234.9, 0.0);
(446808.3, 3763710.6, 235.0, 235.0, 0.0); (446808.3, 3763726.4, 235.0, 235.0, 0.0);
(446808.0, 3763742.1, 235.0, 235.0, 0.0); (446808.3, 3763756.9, 235.0, 235.0, 0.0);
(446808.6, 3763798.3, 235.3, 235.3, 0.0); (446810.2, 3764484.1, 241.7, 241.7, 0.0);
(446781.3, 3764475.1, 241.7, 241.7, 0.0); (446722.6, 3764455.8, 241.4, 241.4, 0.0);
(446170.3, 3764559.8, 242.5, 242.5, 0.0); (446872.3, 3763190.3, 231.5, 231.5, 0.0);
(446925.2, 3763179.2, 231.6, 231.6, 0.0); (446984.9, 3763194.9, 231.4, 231.4, 0.0);
(447010.6, 3763193.3, 231.7, 231.7, 0.0); (447036.6, 3763193.6, 231.7, 231.7, 0.0);
(447053.6, 3763193.3, 231.7, 231.7, 0.0); (447076.4, 3763192.3, 231.8, 231.8, 0.0);
(447093.5, 3763192.6, 231.9, 231.9, 0.0); (447122.0, 3763192.6, 231.7, 231.7, 0.0);
(447138.8, 3763192.3, 231.7, 231.7, 0.0); (447168.0, 3763192.3, 231.6, 231.6, 0.0);
(447170.7, 3763172.2, 231.4, 231.4, 0.0); (447170.4, 3763158.2, 231.2, 231.2, 0.0);
(447169.3, 3763144.9, 231.2, 231.2, 0.0); (447147.5, 3763107.4, 231.5, 231.5, 0.0);
(447146.6, 3763084.2, 231.4, 231.4, 0.0); (447146.9, 3763064.3, 231.1, 231.1, 0.0);
(447149.9, 3763038.9, 230.8, 230.8, 0.0); (447148.6, 3763019.8, 230.6, 230.6, 0.0);
(447148.6, 3762997.4, 230.2, 230.2, 0.0); (447206.1, 3762958.5, 229.5, 229.5, 0.0);
(447209.3, 3762922.5, 229.1, 229.1, 0.0); (447208.4, 3762890.7, 228.9, 228.9, 0.0);
(447145.8, 3762888.9, 228.9, 228.9, 0.0); (447122.5, 3762889.1, 228.9, 228.9, 0.0);
(447094.3, 3762890.0, 228.9, 228.9, 0.0); (447071.0, 3762890.4, 229.0, 229.0, 0.0);
(447043.6, 3762889.7, 228.9, 228.9, 0.0); (447017.8, 3762888.9, 228.9, 228.9, 0.0);
(446992.1, 3762889.1, 228.9, 228.9, 0.0); (446964.3, 3762888.3, 228.9, 228.9, 0.0);

(446940.4, 3762888.5, 228.8, 228.8, 0.0); (446911.2, 3762888.1,
228.6, 228.6, 0.0);
(446885.3, 3762889.7, 228.6, 228.6, 0.0); (446862.1, 3762888.9,
228.6, 228.6, 0.0);

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 82

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(446871.5, 3762779.6, 228.6, 228.6, 0.0); (446926.3, 3762768.7,
228.6, 228.6, 0.0);
(446983.7, 3762774.2, 228.6, 228.6, 0.0); (447009.0, 3762774.0,
228.5, 228.5, 0.0);
(447030.5, 3762774.4, 228.2, 228.2, 0.0); (447055.4, 3762774.0,
228.0, 228.0, 0.0);
(447076.9, 3762774.2, 228.1, 228.1, 0.0); (447101.2, 3762774.4,
228.3, 228.3, 0.0);
(447123.8, 3762774.0, 228.3, 228.3, 0.0); (447148.1, 3762775.0,
228.4, 228.4, 0.0);
(447170.2, 3762774.8, 228.5, 228.5, 0.0); (447196.8, 3762775.5,
228.5, 228.5, 0.0);
(447242.1, 3762776.6, 228.5, 228.5, 0.0); (447262.3, 3762776.0,
228.4, 228.4, 0.0);
(447294.6, 3762776.3, 228.3, 228.3, 0.0); (447313.1, 3762775.5,
228.3, 228.3, 0.0);
(447313.4, 3762749.5, 228.3, 228.3, 0.0); (447327.9, 3762713.1,
228.1, 228.1, 0.0);
(447327.4, 3762679.9, 227.5, 227.5, 0.0); (447327.7, 3762657.0,
227.2, 227.2, 0.0);
(447327.3, 3762636.8, 226.9, 226.9, 0.0); (447327.5, 3762612.9,
226.4, 226.4, 0.0);
(447327.3, 3762592.2, 226.2, 226.2, 0.0); (447327.0, 3762569.7,
226.0, 226.0, 0.0);
(447327.3, 3762547.9, 225.8, 225.8, 0.0); (447326.6, 3762524.7,
225.5, 225.5, 0.0);
(447326.6, 3762506.1, 225.4, 225.4, 0.0); (447327.5, 3762477.5,
224.9, 224.9, 0.0);
(447325.9, 3762454.3, 224.5, 224.5, 0.0); (447225.6, 3762432.9,
224.1, 224.1, 0.0);
(447200.3, 3762430.6, 223.9, 223.9, 0.0); (447156.8, 3762430.2,
223.7, 223.7, 0.0);
(447131.8, 3762430.9, 223.6, 223.6, 0.0); (447102.7, 3762430.6,
223.4, 223.4, 0.0);
(447079.1, 3762430.9, 223.1, 223.1, 0.0); (447034.9, 3762433.6,
223.1, 223.1, 0.0);
(446995.5, 3762433.6, 223.1, 223.1, 0.0); (446972.7, 3762434.3,
223.2, 223.2, 0.0);
(446941.4, 3762434.6, 223.5, 223.5, 0.0); (446916.1, 3762436.9,
223.7, 223.7, 0.0);
(446876.3, 3762436.9, 223.7, 223.7, 0.0); (446848.8, 3762647.0,
227.4, 227.4, 0.0);
(446848.8, 3762563.2, 225.9, 225.9, 0.0); (446849.2, 3762509.8,
225.1, 225.1, 0.0);
(446849.2, 3762455.8, 224.1, 224.1, 0.0); (446848.8, 3762702.0,
228.5, 228.5, 0.0);
(446849.5, 3762754.7, 228.7, 228.7, 0.0); (446739.8, 3762428.5,
223.3, 223.3, 0.0);
(446711.8, 3762423.6, 223.3, 223.3, 0.0); (446687.2, 3762416.2,
223.2, 223.2, 0.0);

FREE

Surface station no.: 3102
Name: UNKNOWN
UNKNOWN
Year: 2012

Upper air station no.: 3190
Name:
Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS
WD	HT	REF	TA	HT													
12	01	01	1	01	-16.4	0.171	-9.000	-9.000	-999.	170.	32.3	0.09	1.12	1.00	2.03		
43.	7.9	285.9		2.0													
12	01	01	1	02	-18.8	0.194	-9.000	-9.000	-999.	205.	41.3	0.09	1.12	1.00	2.28		
34.	7.9	285.4		2.0													
12	01	01	1	03	-17.8	0.182	-9.000	-9.000	-999.	187.	36.5	0.09	1.12	1.00	2.15		
24.	7.9	282.0		2.0													
12	01	01	1	04	-9.4	0.128	-9.000	-9.000	-999.	110.	19.6	0.09	1.12	1.00	1.55		
41.	7.9	283.1		2.0													
12	01	01	1	05	-16.9	0.173	-9.000	-9.000	-999.	173.	33.0	0.09	1.12	1.00	2.05		
39.	7.9	280.4		2.0													
12	01	01	1	06	-8.0	0.117	-9.000	-9.000	-999.	97.	17.8	0.09	1.12	1.00	1.43		
21.	7.9	282.0		2.0													
12	01	01	1	07	-7.6	0.115	-9.000	-9.000	-999.	93.	17.4	0.09	1.12	1.00	1.40		
31.	7.9	282.5		2.0													
12	01	01	1	08	-13.6	0.184	-9.000	-9.000	-999.	190.	40.5	0.09	1.12	0.54	2.16		
34.	7.9	284.2		2.0													
12	01	01	1	09	28.4	0.126	0.300	0.011	33.	108.	-6.2	0.09	1.12	0.32	1.03		
29.	7.9	289.2		2.0													
12	01	01	1	10	79.8	0.133	0.607	0.010	99.	116.	-2.6	0.09	1.12	0.25	0.94		
173.	7.9	292.5		2.0													
12	01	01	1	11	115.8	0.137	0.932	0.006	246.	121.	-2.0	0.09	1.12	0.22	0.92		
172.	7.9	295.4		2.0													
12	01	01	1	12	133.7	0.139	1.197	0.005	453.	125.	-1.8	0.09	1.12	0.21	0.92		
146.	7.9	297.5		2.0													
12	01	01	1	13	133.2	0.160	1.354	0.005	657.	153.	-2.7	0.09	1.12	0.21	1.14		
117.	7.9	299.9		2.0													
12	01	01	1	14	113.5	0.159	1.454	0.005	955.	151.	-3.1	0.09	1.12	0.23	1.16		
285.	7.9	300.9		2.0													
12	01	01	1	15	76.2	0.166	1.350	0.005	1138.	163.	-5.3	0.09	1.12	0.26	1.33		
72.	7.9	302.0		2.0													
12	01	01	1	16	23.5	0.175	0.925	0.005	1183.	175.	-19.9	0.09	1.12	0.35	1.65		
107.	7.9	301.4		2.0													
12	01	01	1	17	-6.1	0.107	-9.000	-9.000	-999.	86.	18.0	0.09	1.12	0.63	1.31		
107.	7.9	298.1		2.0													
12	01	01	1	18	-11.1	0.141	-9.000	-9.000	-999.	127.	22.1	0.09	1.12	1.00	1.69		
86.	7.9	293.1		2.0													
12	01	01	1	19	-3.2	0.076	-9.000	-9.000	-999.	51.	11.8	0.09	1.12	1.00	0.91		
64.	7.9	292.0		2.0													
12	01	01	1	20	-2.3	0.066	-9.000	-9.000	-999.	41.	11.2	0.09	1.12	1.00	0.74		
73.	7.9	288.8		2.0													
12	01	01	1	21	-10.0	0.133	-9.000	-9.000	-999.	116.	20.5	0.09	1.12	1.00	1.60		
14.	7.9	288.1		2.0													
12	01	01	1	22	-19.4	0.201	-9.000	-9.000	-999.	216.	44.5	0.09	1.12	1.00	2.36		
22.	7.9	287.5		2.0													
12	01	01	1	23	-23.7	0.246	-9.000	-9.000	-999.	293.	66.5	0.09	1.12	1.00	2.86		
40.	7.9	287.0		2.0													
12	01	01	1	24	-12.3	0.147	-9.000	-9.000	-999.	139.	23.8	0.09	1.12	1.00	1.76		
40.	7.9	283.8		2.0													

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB	TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	43.	2.03	286.0	99.0	-99.00	-99.00	

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

PAGE 85

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 10BBREAT ***


INCLUDING SOURCE(S): 10BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.13241	447375.98	
3764150.98	0.14755			
447389.75	3764043.04	0.16289	447450.16	
3764031.05	0.16793			
447410.18	3764019.05	0.16737	446891.90	
3764451.22	0.10575			
446959.28	3764451.22	0.10801	446995.28	
3764468.13	0.10788			
447007.41	3764467.30	0.10817	447023.51	
3764466.09	0.10871			
447036.59	3764466.21	0.10909	447052.68	
3764465.61	0.10951			
447066.60	3764465.73	0.10980	447099.65	
3764456.17	0.11126			
447145.28	3764468.27	0.11172	447175.54	
3764468.03	0.11302			
447205.32	3764468.27	0.11415	447232.43	
3764467.55	0.11410			
447264.02	3764467.30	0.11334	447294.77	
3764466.94	0.11344			
447364.97	3764456.41	0.11647	447406.61	
3764460.65	0.11739			
447441.47	3764460.04	0.11814	447466.88	
3764460.20	0.11880			
447490.00	3764460.56	0.11961	447515.50	
3764460.40	0.12070			
447573.06	3764454.29	0.12370	447598.49	
3764445.22	0.12472			
447652.90	3764439.70	0.12439	447692.92	
3764439.51	0.12511			
447713.82	3764439.11	0.12542	447731.95	
3764438.72	0.12557			
447751.07	3764438.72	0.12581	447768.82	
3764437.53	0.12598			
447789.12	3764437.73	0.12591	447805.68	
3764437.34	0.12606			
447824.02	3764437.20	0.12626	447841.61	
3764437.87	0.12655			
447861.72	3764437.53	0.12706	447881.66	
3764435.18	0.12778			
447902.78	3764436.19	0.12821	447920.87	
3764435.35	0.12875			
447942.16	3764435.35	0.12933	447962.77	
3764434.85	0.12997			

447980.70	3764435.18	0.13047	448004.66
3764435.18	0.13153		
448021.25	3764434.68	0.13316	447662.70
3764379.63	0.12877		
447681.30	3764320.98	0.13465	447682.64
3764285.79	0.13970		
447662.53	3764238.37	0.14600	447661.70
3764207.37	0.15077		
447683.14	3764162.29	0.15868	447680.97
3764145.87	0.16138		
447679.63	3764130.28	0.16409	447680.80
3764112.02	0.16733		
447681.47	3764096.43	0.16982	447680.80
3764078.84	0.17238		
447679.96	3764064.26	0.17427	447680.97
3764045.82	0.17668		
447680.63	3764029.74	0.17872	447657.17
3763992.03	0.18346		
447656.33	3763967.06	0.18672	447657.17
3763928.69	0.19238		
447657.17	3763902.21	0.19640	447657.51
3763869.03	0.20255		
447656.16	3763834.94	0.20814	447655.93
3763808.27	0.21244		
447657.09	3763786.00	0.21625	447701.21
3763782.14	0.21956		
447856.92	3763749.71	0.24182	447854.99
3763730.13	0.24696		
447854.35	3763698.35	0.25583	447855.31
3763676.84	0.26221		
447675.51	3763287.46	0.38390	448481.33
3763485.29	0.37205		
448479.95	3763195.53	0.60654	448478.56
3762907.16	1.13766		
448497.89	3762714.10	2.00751	448507.91
3762487.71	5.84954		

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 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 86

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 10BBREAT ***
 INCLUDING SOURCE(S): 10BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	14.60379	448462.73	
3762339.82	17.49800			
448464.47	3762265.93	45.71238	448461.57	
3762165.17	94.22986			
448472.57	3762064.71	22.65545	448460.48	
3762016.72	16.50652			
448234.63	3761951.18	12.83109	448081.42	
3761952.78	6.97910			
448025.53	3761955.99	5.45488	447506.75	

3761967.63	1.15946		
447269.29	3761967.74	0.76198	447389.46
3761908.79	0.92828		
447019.14	3761964.34	0.53661	447060.33
3761963.58	0.56568		
446975.31	3761963.20	0.50826	446940.92
3761953.76	0.48783		
446865.72	3761974.54	0.44708	446795.06
3761957.91	0.41396		
446757.65	3761965.85	0.39771	446709.33
3761967.74	0.37832		
446796.42	3762028.62	0.41280	446796.97
3762045.28	0.41247		
446796.70	3762089.51	0.41068	446796.15
3762105.89	0.40964		
446796.70	3762137.29	0.40817	446796.15
3762153.39	0.40697		
446772.40	3762215.37	0.39287	446795.06
3762321.03	0.39335		
446796.42	3762450.98	0.37996	446796.42
3762471.18	0.37756		
446797.24	3762496.03	0.37486	446798.06
3762516.51	0.37263		
446797.79	3762539.98	0.36960	446797.52
3762560.19	0.36695		
446798.61	3762584.76	0.36420	446798.06
3762604.42	0.36143		
446799.70	3762654.11	0.32005	446799.97
3762674.58	0.31557		
446800.25	3762700.25	0.31002	446800.25
3762721.27	0.30625		
446799.97	3762735.74	0.30382	446797.79
3762748.02	0.30126		
446802.16	3762913.47	0.27772	446802.16
3762932.58	0.27490		
446802.43	3762949.24	0.27252	446802.98
3762967.26	0.27002		
446802.70	3762986.09	0.26691	446802.16
3763003.29	0.26364		
446802.16	3763021.86	0.26026	446802.70
3763040.70	0.25693		
446802.98	3763059.26	0.25365	446803.52
3763077.01	0.25082		
446756.29	3763085.26	0.24359	446807.68
3763646.39	0.16887		
446808.32	3763674.66	0.16590	446807.68
3763694.57	0.16365		
446808.32	3763710.63	0.16207	446808.32
3763726.37	0.16049		
446808.00	3763742.11	0.15900	446808.32
3763756.89	0.15765		
446808.64	3763798.32	0.15332	446810.25
3764484.08	0.10110		
446781.34	3764475.08	0.10057	446722.56
3764455.81	0.09966		
446170.32	3764559.79	0.07954	446872.29
3763190.26	0.23985		
446925.22	3763179.19	0.25005	446984.86
3763194.88	0.25858		
447010.56	3763193.28	0.26264	447036.58
3763193.60	0.26738		
447053.61	3763193.28	0.27054	447076.42
3763192.31	0.27476		
447093.45	3763192.63	0.27753	447122.05
3763192.63	0.28386		
447138.75	3763192.31	0.28758	447167.99

447327.28	3762636.82	0.64740	447327.51
3762612.90	0.65814		
447327.28	3762592.24	0.66691	447327.04
3762569.71	0.67640		
447327.28	3762547.89	0.68595	447326.58
3762524.67	0.69508		
447326.58	3762506.09	0.70285	447327.51
3762477.53	0.71568		
447325.88	3762454.31	0.72339	447225.58
3762432.95	0.63366		
447200.27	3762430.63	0.61283	447156.85
3762430.16	0.57866		
447131.77	3762430.86	0.56004	447102.74
3762430.63	0.53993		
447079.06	3762430.86	0.52429	447034.94
3762433.65	0.49650		
446995.47	3762433.65	0.47402	446972.71
3762434.34	0.46166		
446941.37	3762434.58	0.44555	446916.06
3762436.90	0.43288		
446876.35	3762436.90	0.41469	446848.85
3762647.05	0.33653		
446848.85	3762563.17	0.38575	446849.17
3762509.82	0.39327		
446849.17	3762455.82	0.40049	446848.85
3762702.00	0.32334		
446849.49	3762754.71	0.31371	446739.81
3762428.53	0.36154		
446711.81	3762423.61	0.35228	446687.25
3762416.25	0.34474		
446662.20	3762412.32	0.33698	446636.17
3762403.97	0.32955		
449981.72	3762732.45	1.08273	446486.82
3762231.95	0.29805		
446261.97	3762068.01	0.25176	446443.15
3762291.63	0.28411		
446071.80	3762055.49	0.21804	446072.08
3761983.13	0.21909		
446138.18	3762002.17	0.22989	445884.94
3762039.75	0.19157		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 88

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 10BLOAD ***
INCLUDING SOURCE(S): 10BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.13241	447375.98	
3764150.98	0.14755			
447389.75	3764043.04	0.16289	447450.16	
3764031.05	0.16793			
447410.18	3764019.05	0.16737	446891.90	

3764451.22	0.10575		
446959.28	3764451.22	0.10801	446995.28
3764468.13	0.10788		
447007.41	3764467.30	0.10817	447023.51
3764466.09	0.10871		
447036.59	3764466.21	0.10909	447052.68
3764465.61	0.10951		
447066.60	3764465.73	0.10980	447099.65
3764456.17	0.11126		
447145.28	3764468.27	0.11172	447175.54
3764468.03	0.11302		
447205.32	3764468.27	0.11415	447232.43
3764467.55	0.11410		
447264.02	3764467.30	0.11334	447294.77
3764466.94	0.11344		
447364.97	3764456.41	0.11647	447406.61
3764460.65	0.11739		
447441.47	3764460.04	0.11814	447466.88
3764460.20	0.11880		
447490.00	3764460.56	0.11961	447515.50
3764460.40	0.12070		
447573.06	3764454.29	0.12370	447598.49
3764445.22	0.12472		
447652.90	3764439.70	0.12439	447692.92
3764439.51	0.12511		
447713.82	3764439.11	0.12542	447731.95
3764438.72	0.12557		
447751.07	3764438.72	0.12581	447768.82
3764437.53	0.12598		
447789.12	3764437.73	0.12591	447805.68
3764437.34	0.12606		
447824.02	3764437.20	0.12626	447841.61
3764437.87	0.12655		
447861.72	3764437.53	0.12706	447881.66
3764435.18	0.12778		
447902.78	3764436.19	0.12821	447920.87
3764435.35	0.12875		
447942.16	3764435.35	0.12933	447962.77
3764434.85	0.12997		
447980.70	3764435.18	0.13047	448004.66
3764435.18	0.13153		
448021.25	3764434.68	0.13316	447662.70
3764379.63	0.12877		
447681.30	3764320.98	0.13465	447682.64
3764285.79	0.13970		
447662.53	3764238.37	0.14600	447661.70
3764207.37	0.15077		
447683.14	3764162.29	0.15868	447680.97
3764145.87	0.16138		
447679.63	3764130.28	0.16409	447680.80
3764112.02	0.16733		
447681.47	3764096.43	0.16982	447680.80
3764078.84	0.17238		
447679.96	3764064.26	0.17426	447680.97
3764045.82	0.17668		
447680.63	3764029.74	0.17872	447657.17
3763992.03	0.18346		
447656.33	3763967.06	0.18671	447657.17
3763928.69	0.19238		
447657.17	3763902.21	0.19640	447657.51
3763869.03	0.20255		
447656.16	3763834.94	0.20814	447655.93
3763808.27	0.21244		
447657.09	3763786.00	0.21625	447701.21
3763782.14	0.21956		
447856.92	3763749.71	0.24182	447854.99

3763730.13	0.24696		
447854.35	3763698.35	0.25583	447855.31
3763676.84	0.26221		
447675.51	3763287.46	0.38390	448481.33
3763485.29	0.37205		
448479.95	3763195.53	0.60654	448478.56
3762907.16	1.13767		
448497.89	3762714.10	2.00754	448507.91
3762487.71	5.84973		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 89

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 10BLOAD ***
INCLUDING SOURCE(S): 10BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
448480.49	3762357.96	14.60435	448462.73	
3762339.82	17.49869			
448464.47	3762265.93	45.71358	448461.57	
3762165.17	94.23073			
448472.57	3762064.71	22.65580	448460.48	
3762016.72	16.50673			
448234.63	3761951.18	12.83118	448081.42	
3761952.78	6.97915			
448025.53	3761955.99	5.45492	447506.75	
3761967.63	1.15946			
447269.29	3761967.74	0.76198	447389.46	
3761908.79	0.92828			
447019.14	3761964.34	0.53661	447060.33	
3761963.58	0.56568			
446975.31	3761963.20	0.50826	446940.92	
3761953.76	0.48783			
446865.72	3761974.54	0.44708	446795.06	
3761957.91	0.41397			
446757.65	3761965.85	0.39771	446709.33	
3761967.74	0.37832			
446796.42	3762028.62	0.41280	446796.97	
3762045.28	0.41247			
446796.70	3762089.51	0.41068	446796.15	
3762105.89	0.40964			
446796.70	3762137.29	0.40817	446796.15	
3762153.39	0.40697			
446772.40	3762215.37	0.39287	446795.06	
3762321.03	0.39335			
446796.42	3762450.98	0.37996	446796.42	
3762471.18	0.37756			
446797.24	3762496.03	0.37486	446798.06	
3762516.51	0.37263			
446797.79	3762539.98	0.36960	446797.52	
3762560.19	0.36696			
446798.61	3762584.76	0.36420	446798.06	
3762604.42	0.36144			

446799.70	3762654.11	0.32005	446799.97
3762674.58	0.31557		
446800.25	3762700.25	0.31002	446800.25
3762721.27	0.30625		
446799.97	3762735.74	0.30382	446797.79
3762748.02	0.30126		
446802.16	3762913.47	0.27772	446802.16
3762932.58	0.27490		
446802.43	3762949.24	0.27252	446802.98
3762967.26	0.27002		
446802.70	3762986.09	0.26691	446802.16
3763003.29	0.26364		
446802.16	3763021.86	0.26026	446802.70
3763040.70	0.25693		
446802.98	3763059.26	0.25365	446803.52
3763077.01	0.25082		
446756.29	3763085.26	0.24359	446807.68
3763646.39	0.16887		
446808.32	3763674.66	0.16590	446807.68
3763694.57	0.16365		
446808.32	3763710.63	0.16207	446808.32
3763726.37	0.16049		
446808.00	3763742.11	0.15900	446808.32
3763756.89	0.15765		
446808.64	3763798.32	0.15332	446810.25
3764484.08	0.10110		
446781.34	3764475.08	0.10057	446722.56
3764455.81	0.09966		
446170.32	3764559.79	0.07954	446872.29
3763190.26	0.23985		
446925.22	3763179.19	0.25005	446984.86
3763194.88	0.25858		
447010.56	3763193.28	0.26264	447036.58
3763193.60	0.26738		
447053.61	3763193.28	0.27054	447076.42
3763192.31	0.27476		
447093.45	3763192.63	0.27753	447122.05
3763192.63	0.28386		
447138.75	3763192.31	0.28758	447167.99
3763192.31	0.29399		
447170.68	3763172.18	0.29990	447170.41
3763158.25	0.30370		
447169.31	3763144.87	0.30665	447147.46
3763107.45	0.30945		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 90

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 10BLOAD ***
INCLUDING SOURCE(S): 10BLOAD ,


*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.31523	447146.92	

3763064.30	0.32102		
447149.92	3763038.90	0.32972	447148.56
3763019.78	0.33505		
447148.56	3762997.39	0.34226	447206.08
3762958.49	0.37471		
447209.33	3762922.51	0.38924	447208.40
3762890.70	0.39939		
447145.83	3762888.87	0.37676	447122.55
3762889.07	0.36859		
447094.33	3762890.05	0.35880	447071.04
3762890.45	0.35110		
447043.61	3762889.66	0.34272	447017.76
3762888.87	0.33511		
446992.11	3762889.07	0.32756	446964.28
3762888.28	0.31993		
446940.41	3762888.47	0.31378	446911.20
3762888.08	0.30697		
446885.35	3762889.66	0.30006	446862.07
3762888.87	0.29449		
446871.45	3762779.57	0.31566	446926.31
3762768.72	0.33356		
446983.74	3762774.24	0.35060	447009.00
3762774.05	0.35938		
447030.51	3762774.44	0.36822	447055.37
3762774.05	0.37822		
447076.88	3762774.24	0.38602	447101.16
3762774.44	0.39412		
447123.85	3762774.05	0.40331	447148.12
3762775.03	0.41232		
447170.23	3762774.84	0.42135	447196.78
3762775.48	0.43333		
447242.12	3762776.57	0.45429	447262.33
3762776.03	0.46478		
447294.56	3762776.30	0.48221	447313.13
3762775.48	0.49242		
447313.40	3762749.53	0.50304	447327.86
3762713.09	0.52916		
447327.36	3762679.87	0.54926	447327.74
3762657.02	0.56226		
447327.28	3762636.82	0.64740	447327.51
3762612.90	0.65815		
447327.28	3762592.24	0.66691	447327.04
3762569.71	0.67640		
447327.28	3762547.89	0.68596	447326.58
3762524.67	0.69509		
447326.58	3762506.09	0.70285	447327.51
3762477.53	0.71568		
447325.88	3762454.31	0.72340	447225.58
3762432.95	0.63366		
447200.27	3762430.63	0.61283	447156.85
3762430.16	0.57867		
447131.77	3762430.86	0.56005	447102.74
3762430.63	0.53993		
447079.06	3762430.86	0.52429	447034.94
3762433.65	0.49651		
446995.47	3762433.65	0.47402	446972.71
3762434.34	0.46166		
446941.37	3762434.58	0.44555	446916.06
3762436.90	0.43289		
446876.35	3762436.90	0.41469	446848.85
3762647.05	0.33653		
446848.85	3762563.17	0.38575	446849.17
3762509.82	0.39327		
446849.17	3762455.82	0.40049	446848.85
3762702.00	0.32334		
446849.49	3762754.71	0.31371	446739.81

3762428.53	0.36154		
446711.81	3762423.61	0.35228	446687.25
3762416.25	0.34474		
446662.20	3762412.32	0.33698	446636.17
3762403.97	0.32955		
449981.72	3762732.45	1.08274	446486.82
3762231.95	0.29805		
446261.97	3762068.01	0.25176	446443.15
3762291.63	0.28412		
446071.80	3762055.49	0.21804	446072.08
3761983.13	0.21909		
446138.18	3762002.17	0.22989	445884.94
3762039.75	0.19157		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 91

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 10BREF ***
 INCLUDING SOURCE(S): 10BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	0.13715	447375.98	
3764150.98	0.15350			
447389.75	3764043.04	0.17039	447450.16	
3764031.05	0.17554			
447410.18	3764019.05	0.17520	446891.90	
3764451.22	0.10928			
446959.28	3764451.22	0.11192	446995.28	
3764468.13	0.11190			
447007.41	3764467.30	0.11222	447023.51	
3764466.09	0.11281			
447036.59	3764466.21	0.11323	447052.68	
3764465.61	0.11367			
447066.60	3764465.73	0.11398	447099.65	
3764456.17	0.11549			
447145.28	3764468.27	0.11587	447175.54	
3764468.03	0.11719			
447205.32	3764468.27	0.11830	447232.43	
3764467.55	0.11804			
447264.02	3764467.30	0.11693	447294.77	
3764466.94	0.11683			
447364.97	3764456.41	0.11987	447406.61	
3764460.65	0.12086			
447441.47	3764460.04	0.12176	447466.88	
3764460.20	0.12262			
447490.00	3764460.56	0.12369	447515.50	
3764460.40	0.12512			
447573.06	3764454.29	0.12894	447598.49	
3764445.22	0.13015			
447652.90	3764439.70	0.12979	447692.92	
3764439.51	0.13042			
447713.82	3764439.11	0.13057	447731.95	
3764438.72	0.13052			

447751.07	3764438.72	0.13054	447768.82
3764437.53	0.13048		
447789.12	3764437.73	0.13009	447805.68
3764437.34	0.13001		
447824.02	3764437.20	0.12999	447841.61
3764437.87	0.13011		
447861.72	3764437.53	0.13048	447881.66
3764435.18	0.13114		
447902.78	3764436.19	0.13153	447920.87
3764435.35	0.13210		
447942.16	3764435.35	0.13278	447962.77
3764434.85	0.13357		
447980.70	3764435.18	0.13425	448004.66
3764435.18	0.13566		
448021.25	3764434.68	0.13770	447662.70
3764379.63	0.13432		
447681.30	3764320.98	0.14051	447682.64
3764285.79	0.14593		
447662.53	3764238.37	0.15258	447661.70
3764207.37	0.15770		
447683.14	3764162.29	0.16635	447680.97
3764145.87	0.16925		
447679.63	3764130.28	0.17218	447680.80
3764112.02	0.17569		
447681.47	3764096.43	0.17835	447680.80
3764078.84	0.18106		
447679.96	3764064.26	0.18299	447680.97
3764045.82	0.18547		
447680.63	3764029.74	0.18754	447657.17
3763992.03	0.19224		
447656.33	3763967.06	0.19552	447657.17
3763928.69	0.20135		
447657.17	3763902.21	0.20549	447657.51
3763869.03	0.21202		
447656.16	3763834.94	0.21782	447655.93
3763808.27	0.22226		
447657.09	3763786.00	0.22622	447701.21
3763782.14	0.22989		
447856.92	3763749.71	0.25576	447854.99
3763730.13	0.26136		
447854.35	3763698.35	0.27098	447855.31
3763676.84	0.27793		
447675.51	3763287.46	0.41100	448481.33
3763485.29	0.39382		
448479.95	3763195.53	0.65573	448478.56
3762907.16	1.25987		
448497.89	3762714.10	2.25606	448507.91
3762487.71	6.19100		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 92

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 10BREF *** INCLUDING SOURCE(S): 10BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD

(M)	CONC		
448480.49	3762357.96	15.91044	448462.73
3762339.82	19.40695		
448464.47	3762265.93	57.08310	448461.57
3762165.17	95.17196		
448472.57	3762064.71	22.14309	448460.48
3762016.72	16.05656		
448234.63	3761951.18	11.75389	448081.42
3761952.78	6.49793		
448025.53	3761955.99	5.09498	447506.75
3761967.63	1.12105		
447269.29	3761967.74	0.74270	447389.46
3761908.79	0.89930		
447019.14	3761964.34	0.52582	447060.33
3761963.58	0.55390		
446975.31	3761963.20	0.49838	446940.92
3761953.76	0.47847		
446865.72	3761974.54	0.43909	446795.06
3761957.91	0.40678		
446757.65	3761965.85	0.39103	446709.33
3761967.74	0.37217		
446796.42	3762028.62	0.40611	446796.97
3762045.28	0.40586		
446796.70	3762089.51	0.40423	446796.15
3762105.89	0.40326		
446796.70	3762137.29	0.40192	446796.15
3762153.39	0.40080		
446772.40	3762215.37	0.38713	446795.06
3762321.03	0.38782		
446796.42	3762450.98	0.37464	446796.42
3762471.18	0.37225		
446797.24	3762496.03	0.36954	446798.06
3762516.51	0.36731		
446797.79	3762539.98	0.36429	446797.52
3762560.19	0.36166		
446798.61	3762584.76	0.35893	446798.06
3762604.42	0.35621		
446799.70	3762654.11	0.33338	446799.97
3762674.58	0.32708		
446800.25	3762700.25	0.31991	446800.25
3762721.27	0.31624		
446799.97	3762735.74	0.31418	446797.79
3762748.02	0.31190		
446802.16	3762913.47	0.29344	446802.16
3762932.58	0.29095		
446802.43	3762949.24	0.28884	446802.98
3762967.26	0.28662		
446802.70	3762986.09	0.28332	446802.16
3763003.29	0.27946		
446802.16	3763021.86	0.27544	446802.70
3763040.70	0.27141		
446802.98	3763059.26	0.26750	446803.52
3763077.01	0.26429		
446756.29	3763085.26	0.25879	446807.68
3763646.39	0.17631		
446808.32	3763674.66	0.17317	446807.68
3763694.57	0.17076		
446808.32	3763710.63	0.16905	446808.32
3763726.37	0.16733		
446808.00	3763742.11	0.16571	446808.32
3763756.89	0.16422		
446808.64	3763798.32	0.15939	446810.25
3764484.08	0.10417		
446781.34	3764475.08	0.10350	446722.56

3764455.81	0.10237		
446170.32	3764559.79	0.08106	446872.29
3763190.26	0.25017		
446925.22	3763179.19	0.26089	446984.86
3763194.88	0.27073		
447010.56	3763193.28	0.27480	447036.58
3763193.60	0.28001		
447053.61	3763193.28	0.28344	447076.42
3763192.31	0.28794		
447093.45	3763192.63	0.29082	447122.05
3763192.63	0.29810		
447138.75	3763192.31	0.30232	447167.99
3763192.31	0.30954		
447170.68	3763172.18	0.31587	447170.41
3763158.25	0.31996		
447169.31	3763144.87	0.32289	447147.46
3763107.45	0.32457		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 93

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 10BREF ***
INCLUDING SOURCE(S): 10BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447146.64	3763084.24	0.33049	447146.92	
3763064.30	0.33667			
447149.92	3763038.90	0.34618	447148.56	
3763019.78	0.35190			
447148.56	3762997.39	0.35986	447206.08	
3762958.49	0.39672			
447209.33	3762922.51	0.41363	447208.40	
3762890.70	0.42441			
447145.83	3762888.87	0.39927	447122.55	
3762889.07	0.39026			
447094.33	3762890.05	0.37944	447071.04	
3762890.45	0.37091			
447043.61	3762889.66	0.36169	447017.76	
3762888.87	0.35331			
446992.11	3762889.07	0.34499	446964.28	
3762888.28	0.33663			
446940.41	3762888.47	0.33029	446911.20	
3762888.08	0.32367			
446885.35	3762889.66	0.31609	446862.07	
3762888.87	0.30998			
446871.45	3762779.57	0.32875	446926.31	
3762768.72	0.34774			
446983.74	3762774.24	0.36673	447009.00	
3762774.05	0.37669			
447030.51	3762774.44	0.38810	447055.37	
3762774.05	0.40020			
447076.88	3762774.24	0.40865	447101.16	
3762774.44	0.41627			

447123.85	3762774.05	0.42644	447148.12
3762775.03	0.43570		
447170.23	3762774.84	0.44522	447196.78
3762775.48	0.45891		
447242.12	3762776.57	0.48226	447262.33
3762776.03	0.49417		
447294.56	3762776.30	0.51440	447313.13
3762775.48	0.52558		
447313.40	3762749.53	0.53542	447327.86
3762713.09	0.56350		
447327.36	3762679.87	0.58900	447327.74
3762657.02	0.60427		
447327.28	3762636.82	0.63925	447327.51
3762612.90	0.64918		
447327.28	3762592.24	0.65724	447327.04
3762569.71	0.66599		
447327.28	3762547.89	0.67487	447326.58
3762524.67	0.68335		
447326.58	3762506.09	0.69064	447327.51
3762477.53	0.70282		
447325.88	3762454.31	0.71015	447225.58
3762432.95	0.62253		
447200.27	3762430.63	0.60221	447156.85
3762430.16	0.56888		
447131.77	3762430.86	0.55071	447102.74
3762430.63	0.53107		
447079.06	3762430.86	0.51580	447034.94
3762433.65	0.48866		
446995.47	3762433.65	0.46669	446972.71
3762434.34	0.45461		
446941.37	3762434.58	0.43886	446916.06
3762436.90	0.42647		
446876.35	3762436.90	0.40867	446848.85
3762647.05	0.35177		
446848.85	3762563.17	0.38007	446849.17
3762509.82	0.38753		
446849.17	3762455.82	0.39472	446848.85
3762702.00	0.33414		
446849.49	3762754.71	0.32529	446739.81
3762428.53	0.35664		
446711.81	3762423.61	0.34757	446687.25
3762416.25	0.34019		
446662.20	3762412.32	0.33258	446636.17
3762403.97	0.32529		
449981.72	3762732.45	1.18104	446486.82
3762231.95	0.29419		
446261.97	3762068.01	0.24860	446443.15
3762291.63	0.28060		
446071.80	3762055.49	0.21551	446072.08
3761983.13	0.21649		
446138.18	3762002.17	0.22709	445884.94
3762039.75	0.18949		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 94

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 10BSPILL ***
INCLUDING SOURCE(S): 10BSPILL ,


*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3

**

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.13800	447375.98	
3764150.98	0.15486			
447389.75	3764043.04	0.17237	447450.16	
3764031.05	0.17725			
447410.18	3764019.05	0.17723	446891.90	
3764451.22	0.11003			
446959.28	3764451.22	0.11296	446995.28	
3764468.13	0.11306			
447007.41	3764467.30	0.11340	447023.51	
3764466.09	0.11401			
447036.59	3764466.21	0.11443	447052.68	
3764465.61	0.11486			
447066.60	3764465.73	0.11515	447099.65	
3764456.17	0.11663			
447145.28	3764468.27	0.11687	447175.54	
3764468.03	0.11816			
447205.32	3764468.27	0.11923	447232.43	
3764467.55	0.11887			
447264.02	3764467.30	0.11762	447294.77	
3764466.94	0.11741			
447364.97	3764456.41	0.12017	447406.61	
3764460.65	0.12101			
447441.47	3764460.04	0.12189	447466.88	
3764460.20	0.12284			
447490.00	3764460.56	0.12409	447515.50	
3764460.40	0.12580			
447573.06	3764454.29	0.13039	447598.49	
3764445.22	0.13184			
447652.90	3764439.70	0.13174	447692.92	
3764439.51	0.13221			
447713.82	3764439.11	0.13215	447731.95	
3764438.72	0.13185			
447751.07	3764438.72	0.13158	447768.82	
3764437.53	0.13123			
447789.12	3764437.73	0.13052	447805.68	
3764437.34	0.13022			
447824.02	3764437.20	0.13000	447841.61	
3764437.87	0.13000			
447861.72	3764437.53	0.13032	447881.66	
3764435.18	0.13099			
447902.78	3764436.19	0.13146	447920.87	
3764435.35	0.13212			
447942.16	3764435.35	0.13294	447962.77	
3764434.85	0.13386			
447980.70	3764435.18	0.13466	448004.66	
3764435.18	0.13620			
448021.25	3764434.68	0.13838	447662.70	
3764379.63	0.13629			
447681.30	3764320.98	0.14258	447682.64	
3764285.79	0.14805			
447662.53	3764238.37	0.15454	447661.70	
3764207.37	0.15964			
447683.14	3764162.29	0.16858	447680.97	
3764145.87	0.17146			
447679.63	3764130.28	0.17439	447680.80	
3764112.02	0.17793			
447681.47	3764096.43	0.18059	447680.80	
3764078.84	0.18324			
447679.96	3764064.26	0.18511	447680.97	

3764045.82	0.18754		
447680.63	3764029.74	0.18953	447657.17
3763992.03	0.19379		
447656.33	3763967.06	0.19696	447657.17
3763928.69	0.20270		
447657.17	3763902.21	0.20679	447657.51
3763869.03	0.21336		
447656.16	3763834.94	0.21917	447655.93
3763808.27	0.22363		
447657.09	3763786.00	0.22763	447701.21
3763782.14	0.23135		
447856.92	3763749.71	0.25996	447854.99
3763730.13	0.26564		
447854.35	3763698.35	0.27539	447855.31
3763676.84	0.28244		
447675.51	3763287.46	0.41978	448481.33
3763485.29	0.39753		
448479.95	3763195.53	0.66515	448478.56
3762907.16	1.28416		
448497.89	3762714.10	2.30122	448507.91
3762487.71	6.14305		

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 *** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 95

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 10BSPILL ***
 INCLUDING SOURCE(S): 10BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	15.56415	448462.73	
3762339.82	19.00843			
448464.47	3762265.93	55.10028	448461.57	
3762165.17	91.72149			
448472.57	3762064.71	22.05342	448460.48	
3762016.72	16.09027			
448234.63	3761951.18	11.88100	448081.42	
3761952.78	6.52645			
448025.53	3761955.99	5.09084	447506.75	
3761967.63	1.11564			
447269.29	3761967.74	0.74038	447389.46	
3761908.79	0.89443			
447019.14	3761964.34	0.52467	447060.33	
3761963.58	0.55263			
446975.31	3761963.20	0.49733	446940.92	
3761953.76	0.47746			
446865.72	3761974.54	0.43823	446795.06	
3761957.91	0.40598			
446757.65	3761965.85	0.39029	446709.33	
3761967.74	0.37147			
446796.42	3762028.62	0.40529	446796.97	
3762045.28	0.40502			
446796.70	3762089.51	0.40327	446796.15	
3762105.89	0.40227			

446796.70	3762137.29	0.40091	446796.15
3762153.39	0.39978		
446772.40	3762215.37	0.38621	446795.06
3762321.03	0.38704		
446796.42	3762450.98	0.37368	446796.42
3762471.18	0.37123		
446797.24	3762496.03	0.36845	446798.06
3762516.51	0.36615		
446797.79	3762539.98	0.36305	446797.52
3762560.19	0.36036		
446798.61	3762584.76	0.35754	446798.06
3762604.42	0.35476		
446799.70	3762654.11	0.34120	446799.97
3762674.58	0.33378		
446800.25	3762700.25	0.32533	446800.25
3762721.27	0.32150		
446799.97	3762735.74	0.31952	446797.79
3762748.02	0.31729		
446802.16	3762913.47	0.30069	446802.16
3762932.58	0.29830		
446802.43	3762949.24	0.29628	446802.98
3762967.26	0.29413		
446802.70	3762986.09	0.29073	446802.16
3763003.29	0.28663		
446802.16	3763021.86	0.28235	446802.70
3763040.70	0.27806		
446802.98	3763059.26	0.27386	446803.52
3763077.01	0.27045		
446756.29	3763085.26	0.26555	446807.68
3763646.39	0.17920		
446808.32	3763674.66	0.17596	446807.68
3763694.57	0.17342		
446808.32	3763710.63	0.17158	446808.32
3763726.37	0.16972		
446808.00	3763742.11	0.16794	446808.32
3763756.89	0.16629		
446808.64	3763798.32	0.16094	446810.25
3764484.08	0.10469		
446781.34	3764475.08	0.10400	446722.56
3764455.81	0.10299		
446170.32	3764559.79	0.08085	446872.29
3763190.26	0.25348		
446925.22	3763179.19	0.26424	446984.86
3763194.88	0.27436		
447010.56	3763193.28	0.27838	447036.58
3763193.60	0.28378		
447053.61	3763193.28	0.28732	447076.42
3763192.31	0.29197		
447093.45	3763192.63	0.29491	447122.05
3763192.63	0.30271		
447138.75	3763192.31	0.30721	447167.99
3763192.31	0.31493		
447170.68	3763172.18	0.32132	447170.41
3763158.25	0.32544		
447169.31	3763144.87	0.32826	447147.46
3763107.45	0.32918		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 96

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 10BSPILL ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.33513	447146.92	
3763064.30	0.34151			
447149.92	3763038.90	0.35152	447148.56	
3763019.78	0.35762			
447148.56	3762997.39	0.36634	447206.08	
3762958.49	0.40535			
447209.33	3762922.51	0.42378	447208.40	
3762890.70	0.43518			
447145.83	3762888.87	0.40933	447122.55	
3762889.07	0.40004			
447094.33	3762890.05	0.38886	447071.04	
3762890.45	0.38002			
447043.61	3762889.66	0.37046	447017.76	
3762888.87	0.36175			
446992.11	3762889.07	0.35309	446964.28	
3762888.28	0.34441			
446940.41	3762888.47	0.33794	446911.20	
3762888.08	0.33136			
446885.35	3762889.66	0.32347	446862.07	
3762888.87	0.31712			
446871.45	3762779.57	0.33502	446926.31	
3762768.72	0.35450			
446983.74	3762774.24	0.37432	447009.00	
3762774.05	0.38484			
447030.51	3762774.44	0.39753	447055.37	
3762774.05	0.41060			
447076.88	3762774.24	0.41931	447101.16	
3762774.44	0.42662			
447123.85	3762774.05	0.43720	447148.12	
3762775.03	0.44654			
447170.23	3762774.84	0.45627	447196.78	
3762775.48	0.47068			
447242.12	3762776.57	0.49498	447262.33	
3762776.03	0.50742			
447294.56	3762776.30	0.52869	447313.13	
3762775.48	0.54020			
447313.40	3762749.53	0.54998	447327.86	
3762713.09	0.57924			
447327.36	3762679.87	0.60767	447327.74	
3762657.02	0.62458			
447327.28	3762636.82	0.63754	447327.51	
3762612.90	0.64710			
447327.28	3762592.24	0.65484	447327.04	
3762569.71	0.66328			
447327.28	3762547.89	0.67191	447326.58	
3762524.67	0.68022			
447326.58	3762506.09	0.68746	447327.51	
3762477.53	0.69966			
447325.88	3762454.31	0.70713	447225.58	
3762432.95	0.62031			
447200.27	3762430.63	0.60015	447156.85	
3762430.16	0.56702			
447131.77	3762430.86	0.54895	447102.74	
3762430.63	0.52943			
447079.06	3762430.86	0.51424	447034.94	

3764456.17	0.34830		
447145.28	3764468.27	0.36327	447175.54
3764468.03	0.37591		
447205.32	3764468.27	0.38856	447232.43
3764467.55	0.39883		
447264.02	3764467.30	0.40851	447294.77
3764466.94	0.42018		
447364.97	3764456.41	0.46120	447406.61
3764460.65	0.48536		
447441.47	3764460.04	0.50694	447466.88
3764460.20	0.52414		
447490.00	3764460.56	0.54132	447515.50
3764460.40	0.56280		
447573.06	3764454.29	0.61582	447598.49
3764445.22	0.64154		
447652.90	3764439.70	0.69266	447692.92
3764439.51	0.73934		
447713.82	3764439.11	0.76581	447731.95
3764438.72	0.78935		
447751.07	3764438.72	0.81622	447768.82
3764437.53	0.84094		
447789.12	3764437.73	0.87086	447805.68
3764437.34	0.89758		
447824.02	3764437.20	0.92815	447841.61
3764437.87	0.96066		
447861.72	3764437.53	1.00161	447881.66
3764435.18	1.04583		
447902.78	3764436.19	1.09360	447920.87
3764435.35	1.13822		
447942.16	3764435.35	1.19421	447962.77
3764434.85	1.25310		
447980.70	3764435.18	1.30792	448004.66
3764435.18	1.38941		
448021.25	3764434.68	1.45630	447662.70
3764379.63	0.71637		
447681.30	3764320.98	0.75499	447682.64
3764285.79	0.77366		
447662.53	3764238.37	0.76481	447661.70
3764207.37	0.77379		
447683.14	3764162.29	0.81672	447680.97
3764145.87	0.81924		
447679.63	3764130.28	0.82253	447680.80
3764112.02	0.82863		
447681.47	3764096.43	0.83369	447680.80
3764078.84	0.83668		
447679.96	3764064.26	0.83819	447680.97
3764045.82	0.84223		
447680.63	3764029.74	0.84438	447657.17
3763992.03	0.82013		
447656.33	3763967.06	0.82241	447657.17
3763928.69	0.82785		
447657.17	3763902.21	0.83087	447657.51
3763869.03	0.83636		
447656.16	3763834.94	0.83725	447655.93
3763808.27	0.83839		
447657.09	3763786.00	0.84137	447701.21
3763782.14	0.90098		
447856.92	3763749.71	1.19296	447854.99
3763730.13	1.19175		
447854.35	3763698.35	1.19411	447855.31
3763676.84	1.19834		
447675.51	3763287.46	0.90159	448481.33
3763485.29	20.83028		
448479.95	3763195.53	19.54972	448478.56
3762907.16	18.25998		
448497.89	3762714.10	13.23328	448507.91

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1H25 ***

INCLUDING SOURCE(S): L0000924 , L0000925 ,
 L0000926 , L0000927 , L0000928 ,
 L0000929 , L0000930 , L0000931 , L0000932 , L0000933 ,
 L0000934 , L0000935 , L0000936 ,
 L0000937 , L0000938 , L0000939 , L0000940 , L0000941 ,
 L0000942 , L0000943 , L0000944 ,
 L0000945 , L0000946 , L0000947 , L0000948 , L0000949 ,
 L0000950 , L0000951 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	4.05519	448462.73	
3762339.82	3.59162			
448464.47	3762265.93	1.89101	448461.57	
3762165.17	1.18194			
448472.57	3762064.71	0.85847	448460.48	
3762016.72	0.76582			
448234.63	3761951.18	0.68458	448081.42	
3761952.78	0.65674			
448025.53	3761955.99	0.64049	447506.75	
3761967.63	0.43754			
447269.29	3761967.74	0.36609	447389.46	
3761908.79	0.38676			
447019.14	3761964.34	0.30646	447060.33	
3761963.58	0.31507			
446975.31	3761963.20	0.29743	446940.92	
3761953.76	0.28971			
446865.72	3761974.54	0.27813	446795.06	
3761957.91	0.26431			
446757.65	3761965.85	0.25872	446709.33	
3761967.74	0.25109			
446796.42	3762028.62	0.27039	446796.97	
3762045.28	0.27186			
446796.70	3762089.51	0.27575	446796.15	
3762105.89	0.27696			
446796.70	3762137.29	0.27955	446796.15	
3762153.39	0.28071			
446772.40	3762215.37	0.28100	446795.06	
3762321.03	0.29346			
446796.42	3762450.98	0.30346	446796.42	
3762471.18	0.30493			
446797.24	3762496.03	0.30689	446798.06	
3762516.51	0.30851			
446797.79	3762539.98	0.30999	446797.52	
3762560.19	0.31120			
446798.61	3762584.76	0.31298	446798.06	
3762604.42	0.31409			
446799.70	3762654.11	0.31753	446799.97	

3762674.58	0.31879		
446800.25	3762700.25	0.32031	446800.25
3762721.27	0.32137		
446799.97	3762735.74	0.32198	446797.79
3762748.02	0.32197		
446802.16	3762913.47	0.32955	446802.16
3762932.58	0.33015		
446802.43	3762949.24	0.33073	446802.98
3762967.26	0.33141		
446802.70	3762986.09	0.33187	446802.16
3763003.29	0.33222		
446802.16	3763021.86	0.33274	446802.70
3763040.70	0.33339		
446802.98	3763059.26	0.33393	446803.52
3763077.01	0.33448		
446756.29	3763085.26	0.32111	446807.68
3763646.39	0.32485		
446808.32	3763674.66	0.32410	446807.68
3763694.57	0.32302		
446808.32	3763710.63	0.32263	446808.32
3763726.37	0.32188		
446808.00	3763742.11	0.32122	446808.32
3763756.89	0.32075		
446808.64	3763798.32	0.31868	446810.25
3764484.08	0.26635		
446781.34	3764475.08	0.26077	446722.56
3764455.81	0.25041		
446170.32	3764559.79	0.16542	446872.29
3763190.26	0.35592		
446925.22	3763179.19	0.37328	446984.86
3763194.88	0.39555		
447010.56	3763193.28	0.40501	447036.58
3763193.60	0.41544		
447053.61	3763193.28	0.42248	447076.42
3763192.31	0.43195		
447093.45	3763192.63	0.43919	447122.05
3763192.63	0.45271		
447138.75	3763192.31	0.46058	447167.99
3763192.31	0.47516		
447170.68	3763172.18	0.47615	447170.41
3763158.25	0.47580		
447169.31	3763144.87	0.47478	447147.46
3763107.45	0.46217		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 99

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1H25 ***

INCLUDING SOURCE(S): L0000924 , L0000925 ,
L0000926 , L0000927 , L0000928 ,
L0000929 , L0000930 , L0000931 , L0000932 , L0000933 ,
L0000934 , L0000935 , L0000936 ,
L0000937 , L0000938 , L0000939 , L0000940 , L0000941 ,
L0000942 , L0000943 , L0000944 ,
L0000945 , L0000946 , L0000947 , L0000948 , L0000949 ,
L0000950 , L0000951 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.46107	447146.92	
3763064.30	0.46081			
447149.92	3763038.90	0.46146	447148.56	
3763019.78	0.46030			
447148.56	3762997.39	0.45950	447206.08	
3762958.49	0.48509			
447209.33	3762922.51	0.48387	447208.40	
3762890.70	0.48082			
447145.83	3762888.87	0.45098	447122.55	
3762889.07	0.44067			
447094.33	3762890.05	0.42870	447071.04	
3762890.45	0.41917			
447043.61	3762889.66	0.40828	447017.76	
3762888.87	0.39841			
446992.11	3762889.07	0.38903	446964.28	
3762888.28	0.37917			
446940.41	3762888.47	0.37103	446911.20	
3762888.08	0.36137			
446885.35	3762889.66	0.35327	446862.07	
3762888.87	0.34613			
446871.45	3762779.57	0.34405	446926.31	
3762768.72	0.36020			
446983.74	3762774.24	0.37937	447009.00	
3762774.05	0.38812			
447030.51	3762774.44	0.39575	447055.37	
3762774.05	0.40488			
447076.88	3762774.24	0.41317	447101.16	
3762774.44	0.42293			
447123.85	3762774.05	0.43222	447148.12	
3762775.03	0.44271			
447170.23	3762774.84	0.45250	447196.78	
3762775.48	0.46471			
447242.12	3762776.57	0.48685	447262.33	
3762776.03	0.49713			
447294.56	3762776.30	0.51435	447313.13	
3762775.48	0.52465			
447313.40	3762749.53	0.52157	447327.86	
3762713.09	0.52473			
447327.36	3762679.87	0.51936	447327.74	
3762657.02	0.51607			
447327.28	3762636.82	0.51260	447327.51	
3762612.90	0.50876			
447327.28	3762592.24	0.50526	447327.04	
3762569.71	0.50138			
447327.28	3762547.89	0.49779	447326.58	
3762524.67	0.49341			
447326.58	3762506.09	0.49012	447327.51	
3762477.53	0.48529			
447325.88	3762454.31	0.48017	447225.58	
3762432.95	0.43271			
447200.27	3762430.63	0.42237	447156.85	
3762430.16	0.40595			
447131.77	3762430.86	0.39710	447102.74	
3762430.63	0.38700			
447079.06	3762430.86	0.37905	447034.94	
3762433.65	0.36537			
446995.47	3762433.65	0.35356	446972.71	
3762434.34	0.34711			
446941.37	3762434.58	0.33856	446916.06	
3762436.90	0.33205			
446876.35	3762436.90	0.32176	446848.85	

3764466.94	0.29750		
447364.97	3764456.41	0.31130	447406.61
3764460.65	0.31487		
447441.47	3764460.04	0.31775	447466.88
3764460.20	0.32022		
447490.00	3764460.56	0.32328	447515.50
3764460.40	0.32747		
447573.06	3764454.29	0.33964	447598.49
3764445.22	0.34364		
447652.90	3764439.70	0.33940	447692.92
3764439.51	0.34118		
447713.82	3764439.11	0.34197	447731.95
3764438.72	0.34216		
447751.07	3764438.72	0.34290	447768.82
3764437.53	0.34351		
447789.12	3764437.73	0.34304	447805.68
3764437.34	0.34369		
447824.02	3764437.20	0.34462	447841.61
3764437.87	0.34585		
447861.72	3764437.53	0.34808	447881.66
3764435.18	0.35133		
447902.78	3764436.19	0.35286	447920.87
3764435.35	0.35495		
447942.16	3764435.35	0.35691	447962.77
3764434.85	0.35896		
447980.70	3764435.18	0.36030	448004.66
3764435.18	0.36335		
448021.25	3764434.68	0.36865	447662.70
3764379.63	0.36325		
447681.30	3764320.98	0.39632	447682.64
3764285.79	0.42641		
447662.53	3764238.37	0.46915	447661.70
3764207.37	0.50281		
447683.14	3764162.29	0.56023	447680.97
3764145.87	0.58240		
447679.63	3764130.28	0.61561	447680.80
3764112.02	0.65534		
447681.47	3764096.43	0.68219	447680.80
3764078.84	0.71310		
447679.96	3764064.26	0.73374	447680.97
3764045.82	0.75965		
447680.63	3764029.74	0.78125	447657.17
3763992.03	0.85287		
447656.33	3763967.06	0.89682	447657.17
3763928.69	0.97842		
447657.17	3763902.21	1.04364	447657.51
3763869.03	1.15976		
447656.16	3763834.94	1.27755	447655.93
3763808.27	1.38056		
447657.09	3763786.00	1.47542	447701.21
3763782.14	1.50818		
447856.92	3763749.71	1.79755	447854.99
3763730.13	1.94677		
447854.35	3763698.35	2.23761	447855.31
3763676.84	2.48079		
447675.51	3763287.46	33.04254	448481.33
3763485.29	1.99715		
448479.95	3763195.53	2.21646	448478.56
3762907.16	2.04091		
448497.89	3762714.10	1.63208	448507.91
3762487.71	1.12827		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR

SOURCE GROUP: 1MC100 ***

INCLUDING SOURCE(S): L0000510 , L0000511 ,
 L0000512 , L0000513 , L0000514 ,
 L0000515 , L0000516 , L0000517 , L0000518 , L0000519 ,
 L0000520 , L0000521 , L0000522 ,
 L0000523 , L0000524 , L0000525 , L0000526 , L0000527 ,
 L0000528 , L0000529 , L0000530 ,
 L0000531 , L0000532 , L0000533 , L0000534 , L0000535 ,
 L0000536 , L0000537 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	0.95167	448462.73	
3762339.82	0.94783			
448464.47	3762265.93	0.85129	448461.57	
3762165.17	0.75233			
448472.57	3762064.71	0.66289	448460.48	
3762016.72	0.63729			
448234.63	3761951.18	0.74112	448081.42	
3761952.78	0.86594			
448025.53	3761955.99	0.91913	447506.75	
3761967.63	1.28579			
447269.29	3761967.74	1.22423	447389.46	
3761908.79	1.12969			
447019.14	3761964.34	1.00018	447060.33	
3761963.58	1.03832			
446975.31	3761963.20	0.95714	446940.92	
3761953.76	0.91530			
446865.72	3761974.54	0.86679	446795.06	
3761957.91	0.79240			
446757.65	3761965.85	0.76629	446709.33	
3761967.74	0.72847			
446796.42	3762028.62	0.84067	446796.97	
3762045.28	0.85237			
446796.70	3762089.51	0.88305	446796.15	
3762105.89	0.89320			
446796.70	3762137.29	0.91430	446796.15	
3762153.39	0.92400			
446772.40	3762215.37	0.93191	446795.06	
3762321.03	1.02489			
446796.42	3762450.98	1.09476	446796.42	
3762471.18	1.10379			
446797.24	3762496.03	1.11579	446798.06	
3762516.51	1.12538			
446797.79	3762539.98	1.13298	446797.52	
3762560.19	1.13869			
446798.61	3762584.76	1.14785	446798.06	
3762604.42	1.15170			
446799.70	3762654.11	1.16533	446799.97	
3762674.58	1.16888			
446800.25	3762700.25	1.17219	446800.25	
3762721.27	1.17345			
446799.97	3762735.74	1.17323	446797.79	
3762748.02	1.16834			
446802.16	3762913.47	1.15627	446802.16	

3762932.58	1.15106		
446802.43	3762949.24	1.14669	446802.98
3762967.26	1.14210		
446802.70	3762986.09	1.13499	446802.16
3763003.29	1.12754		
446802.16	3763021.86	1.11867	446802.70
3763040.70	1.11037		
446802.98	3763059.26	1.10032	446803.52
3763077.01	1.09245		
446756.29	3763085.26	1.00298	446807.68
3763646.39	0.67573		
446808.32	3763674.66	0.65717	446807.68
3763694.57	0.64280		
446808.32	3763710.63	0.63250	446808.32
3763726.37	0.62277		
446808.00	3763742.11	0.61315	446808.32
3763756.89	0.60464		
446808.64	3763798.32	0.57628	446810.25
3764484.08	0.24882		
446781.34	3764475.08	0.24729	446722.56
3764455.81	0.24488		
446170.32	3764559.79	0.16818	446872.29
3763190.26	1.15180		
446925.22	3763179.19	1.29226	446984.86
3763194.88	1.46185		
447010.56	3763193.28	1.55195	447036.58
3763193.60	1.65312		
447053.61	3763193.28	1.72421	447076.42
3763192.31	1.83024		
447093.45	3763192.63	1.91095	447122.05
3763192.63	2.07391		
447138.75	3763192.31	2.17922	447167.99
3763192.31	2.37996		
447170.68	3763172.18	2.44764	447170.41
3763158.25	2.47849		
447169.31	3763144.87	2.49810	447147.46
3763107.45	2.39916		

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 *** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 102

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1MC100 ***

INCLUDING SOURCE(S): L0000510 , L0000511 ,
 L0000512 , L0000513 , L0000514 ,
 L0000515 , L0000516 , L0000517 , L0000518 , L0000519 ,
 L0000520 , L0000521 , L0000522 ,
 L0000523 , L0000524 , L0000525 , L0000526 , L0000527 ,
 L0000528 , L0000529 , L0000530 ,
 L0000531 , L0000532 , L0000533 , L0000534 , L0000535 ,
 L0000536 , L0000537 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	2.43239	447146.92	

3763064.30	2.47141		
447149.92	3763038.90	2.54293	447148.56
3763019.78	2.56353		
447148.56	3762997.39	2.60139	447206.08
3762958.49	3.21759		
447209.33	3762922.51	3.30789	447208.40
3762890.70	3.32794		
447145.83	3762888.87	2.70528	447122.55
3762889.07	2.51873		
447094.33	3762890.05	2.31755	447071.04
3762890.45	2.16964		
447043.61	3762889.66	2.01377	447017.76
3762888.87	1.88210		
446992.11	3762889.07	1.76377	446964.28
3762888.28	1.64943		
446940.41	3762888.47	1.56018	446911.20
3762888.08	1.46178		
446885.35	3762889.66	1.38037	446862.07
3762888.87	1.31346		
446871.45	3762779.57	1.35642	446926.31
3762768.72	1.52978		
446983.74	3762774.24	1.75045	447009.00
3762774.05	1.86324		
447030.51	3762774.44	1.96809	447055.37
3762774.05	2.10105		
447076.88	3762774.24	2.22796	447101.16
3762774.44	2.38624		
447123.85	3762774.05	2.54988	447148.12
3762775.03	2.74555		
447170.23	3762774.84	2.94445	447196.78
3762775.48	3.21475		
447242.12	3762776.57	3.77694	447262.33
3762776.03	4.07884		
447294.56	3762776.30	4.64912	447313.13
3762775.48	5.03835		
447313.40	3762749.53	5.00355	447327.86
3762713.09	5.24544		
447327.36	3762679.87	5.11733	447327.74
3762657.02	5.03151		
447327.28	3762636.82	4.92884	447327.51
3762612.90	4.81310		
447327.28	3762592.24	4.69771	447327.04
3762569.71	4.56494		
447327.28	3762547.89	4.43832	447326.58
3762524.67	4.28097		
447326.58	3762506.09	4.16072	447327.51
3762477.53	3.98153		
447325.88	3762454.31	3.79896	447225.58
3762432.95	2.70698		
447200.27	3762430.63	2.52257	447156.85
3762430.16	2.25801		
447131.77	3762430.86	2.12695	447102.74
3762430.63	1.98606		
447079.06	3762430.86	1.88154	447034.94
3762433.65	1.71253		
446995.47	3762433.65	1.57684	446972.71
3762434.34	1.50667		
446941.37	3762434.58	1.41728	446916.06
3762436.90	1.35217		
446876.35	3762436.90	1.25502	446848.85
3762647.05	1.28163		
446848.85	3762563.17	1.25582	446849.17
3762509.82	1.23370		
446849.17	3762455.82	1.20536	446848.85
3762702.00	1.29114		
446849.49	3762754.71	1.29590	446739.81

3762428.53	0.98544		
446711.81	3762423.61	0.94019	446687.25
3762416.25	0.90206		
446662.20	3762412.32	0.86682	446636.17
3762403.97	0.83134		
449981.72	3762732.45	0.35305	446486.82
3762231.95	0.64129		
446261.97	3762068.01	0.47248	446443.15
3762291.63	0.61852		
446071.80	3762055.49	0.38933	446072.08
3761983.13	0.38320		
446138.18	3762002.17	0.41022	445884.94
3762039.75	0.32728		

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 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 103

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1OR15 ***

INCLUDING SOURCE(S): L0000634 , L0000635 ,
 L0000636 , L0000637 , L0000638 ,
 L0000639 , L0000640 , L0000641 , L0000642 , L0000643 ,
 L0000644 , L0000645 , L0000646 ,
 L0000647 , L0000648 , L0000649 , L0000650 , L0000651 ,
 L0000652 , L0000653 , L0000654 ,
 L0000655 , L0000656 , L0000657 , L0000658 , L0000659 ,
 L0000660 , L0000661 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.17191	447375.98	
3764150.98	0.19528			
447389.75	3764043.04	0.21915	447450.16	
3764031.05	0.22338			
447410.18	3764019.05	0.22522	446891.90	
3764451.22	0.14627			
446959.28	3764451.22	0.14713	446995.28	
3764468.13	0.14537			
447007.41	3764467.30	0.14543	447023.51	
3764466.09	0.14573			
447036.59	3764466.21	0.14587	447052.68	
3764465.61	0.14601			
447066.60	3764465.73	0.14603	447099.65	
3764456.17	0.14734			
447145.28	3764468.27	0.14663	447175.54	
3764468.03	0.14764			
447205.32	3764468.27	0.14844	447232.43	
3764467.55	0.14786			
447264.02	3764467.30	0.14638	447294.77	
3764466.94	0.14598			
447364.97	3764456.41	0.14856	447406.61	
3764460.65	0.14876			
447441.47	3764460.04	0.14902	447466.88	
3764460.20	0.14933			
447490.00	3764460.56	0.14982	447515.50	

3764460.40	0.15058		
447573.06	3764454.29	0.15306	447598.49
3764445.22	0.15409		
447652.90	3764439.70	0.15350	447692.92
3764439.51	0.15395		
447713.82	3764439.11	0.15414	447731.95
3764438.72	0.15421		
447751.07	3764438.72	0.15434	447768.82
3764437.53	0.15447		
447789.12	3764437.73	0.15432	447805.68
3764437.34	0.15439		
447824.02	3764437.20	0.15447	447841.61
3764437.87	0.15458		
447861.72	3764437.53	0.15488	447881.66
3764435.18	0.15541		
447902.78	3764436.19	0.15550	447920.87
3764435.35	0.15577		
447942.16	3764435.35	0.15597	447962.77
3764434.85	0.15621		
447980.70	3764435.18	0.15633	448004.66
3764435.18	0.15678		
448021.25	3764434.68	0.15776	447662.70
3764379.63	0.15990		
447681.30	3764320.98	0.16785	447682.64
3764285.79	0.17422		
447662.53	3764238.37	0.18277	447661.70
3764207.37	0.18898		
447683.14	3764162.29	0.19871	447680.97
3764145.87	0.20229		
447679.63	3764130.28	0.20585	447680.80
3764112.02	0.21007		
447681.47	3764096.43	0.21347	447680.80
3764078.84	0.21717		
447679.96	3764064.26	0.22006	447680.97
3764045.82	0.22376		
447680.63	3764029.74	0.22700	447657.17
3763992.03	0.23537		
447656.33	3763967.06	0.24080	447657.17
3763928.69	0.24995		
447657.17	3763902.21	0.25658	447657.51
3763869.03	0.26614		
447656.16	3763834.94	0.27567	447655.93
3763808.27	0.28327		
447657.09	3763786.00	0.28994	447701.21
3763782.14	0.29171		
447856.92	3763749.71	0.30997	447854.99
3763730.13	0.31749		
447854.35	3763698.35	0.33035	447855.31
3763676.84	0.33954		
447675.51	3763287.46	0.59473	448481.33
3763485.29	0.44645		
448479.95	3763195.53	0.66126	448478.56
3762907.16	0.90125		
448497.89	3762714.10	0.89355	448507.91
3762487.71	0.74036		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

PAGE 104

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 10R15 ***

INCLUDING SOURCE(S): L0000634 , L0000635 ,

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          L0000636      , L0000637      , L0000638      ,
L0000639      , L0000640      , L0000641      , L0000642      , L0000643      ,
L0000644      , L0000645      , L0000646      ,
L0000647      , L0000648      , L0000649      , L0000650      , L0000651      ,
L0000652      , L0000653      , L0000654      ,
L0000655      , L0000656      , L0000657      , L0000658      , L0000659      ,
L0000660      , L0000661      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	0.64849	448462.73	
3762339.82	0.64451			
448464.47	3762265.93	0.58020	448461.57	
3762165.17	0.50718			
448472.57	3762064.71	0.44374	448460.48	
3762016.72	0.42642			
448234.63	3761951.18	0.48845	448081.42	
3761952.78	0.57353			
448025.53	3761955.99	0.61241	447506.75	
3761967.63	1.18751			
447269.29	3761967.74	1.50739	447389.46	
3761908.79	1.17646			
447019.14	3761964.34	1.78957	447060.33	
3761963.58	1.73697			
446975.31	3761963.20	1.83868	446940.92	
3761953.76	1.83902			
446865.72	3761974.54	2.05586	446795.06	
3761957.91	2.08560			
446757.65	3761965.85	2.20468	446709.33	
3761967.74	2.32664			
446796.42	3762028.62	2.54511	446796.97	
3762045.28	2.67478			
446796.70	3762089.51	3.09415	446796.15	
3762105.89	3.26921			
446796.70	3762137.29	3.64204	446796.15	
3762153.39	3.86315			
446772.40	3762215.37	5.14426	446795.06	
3762321.03	9.46875			
446796.42	3762450.98	11.37334	446796.42	
3762471.18	8.55733			
446797.24	3762496.03	6.53767	446798.06	
3762516.51	5.46398			
446797.79	3762539.98	4.58883	446797.52	
3762560.19	4.03110			
446798.61	3762584.76	3.51437	446798.06	
3762604.42	3.17996			
446799.70	3762654.11	2.54241	446799.97	
3762674.58	2.29522			
446800.25	3762700.25	1.99685	446800.25	
3762721.27	1.85832			
446799.97	3762735.74	1.77709	446797.79	
3762748.02	1.71098			
446802.16	3762913.47	1.15643	446802.16	
3762932.58	1.10917			
446802.43	3762949.24	1.07053	446802.98	
3762967.26	1.03116			
446802.70	3762986.09	0.98138	446802.16	
3763003.29	0.93765			
446802.16	3763021.86	0.88746	446802.70	

3763040.70	0.85247		
446802.98	3763059.26	0.81996	446803.52
3763077.01	0.79144		
446756.29	3763085.26	0.78746	446807.68
3763646.39	0.31854		
446808.32	3763674.66	0.30808	446807.68
3763694.57	0.30076		
446808.32	3763710.63	0.29537	446808.32
3763726.37	0.29020		
446808.00	3763742.11	0.28536	446808.32
3763756.89	0.28093		
446808.64	3763798.32	0.26799	446810.25
3764484.08	0.14161		
446781.34	3764475.08	0.14216	446722.56
3764455.81	0.14367		
446170.32	3764559.79	0.12436	446872.29
3763190.26	0.63788		
446925.22	3763179.19	0.65760	446984.86
3763194.88	0.65113		
447010.56	3763193.28	0.65389	447036.58
3763193.60	0.65690		
447053.61	3763193.28	0.65907	447076.42
3763192.31	0.66198		
447093.45	3763192.63	0.66228	447122.05
3763192.63	0.66713		
447138.75	3763192.31	0.66990	447167.99
3763192.31	0.67362		
447170.68	3763172.18	0.69978	447170.41
3763158.25	0.71881		
447169.31	3763144.87	0.73638	447147.46
3763107.45	0.78401		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 105

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 10R15 ***

INCLUDING SOURCE(S): L0000634 , L0000635 ,
L0000636 , L0000637 , L0000638 ,
L0000639 , L0000640 , L0000641 , L0000642 , L0000643 ,
L0000644 , L0000645 , L0000646 ,
L0000647 , L0000648 , L0000649 , L0000650 , L0000651 ,
L0000652 , L0000653 , L0000654 ,
L0000655 , L0000656 , L0000657 , L0000658 , L0000659 ,
L0000660 , L0000661 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447146.64	3763084.24	0.82085	447146.92	
3763064.30	0.85638			
447149.92	3763038.90	0.90711	447148.56	
3763019.78	0.94663			
447148.56	3762997.39	0.99814	447206.08	
3762958.49	1.11511			
447209.33	3762922.51	1.22645	447208.40	

3762890.70	1.33390		
447145.83	3762888.87	1.31841	447122.55
3762889.07	1.30909		
447094.33	3762890.05	1.29488	447071.04
3762890.45	1.28434		
447043.61	3762889.66	1.27627	447017.76
3762888.87	1.26854		
446992.11	3762889.07	1.25734	446964.28
3762888.28	1.24848		
446940.41	3762888.47	1.23980	446911.20
3762888.08	1.25180		
446885.35	3762889.66	1.23460	446862.07
3762888.87	1.22573		
446871.45	3762779.57	1.62980	446926.31
3762768.72	1.73279		
446983.74	3762774.24	1.75667	447009.00
3762774.05	1.78541		
447030.51	3762774.44	1.84278	447055.37
3762774.05	1.88692		
447076.88	3762774.24	1.89348	447101.16
3762774.44	1.89786		
447123.85	3762774.05	1.91906	447148.12
3762775.03	1.90810		
447170.23	3762774.84	1.91813	447196.78
3762775.48	1.93499		
447242.12	3762776.57	1.95532	447262.33
3762776.03	1.98359		
447294.56	3762776.30	2.00434	447313.13
3762775.48	2.01259		
447313.40	3762749.53	2.20024	447327.86
3762713.09	2.51541		
447327.36	3762679.87	2.83349	447327.74
3762657.02	3.11206		
447327.28	3762636.82	3.38939	447327.51
3762612.90	3.77895		
447327.28	3762592.24	4.18274	447327.04
3762569.71	4.71533		
447327.28	3762547.89	5.36527	447326.58
3762524.67	6.27205		
447326.58	3762506.09	7.24620	447327.51
3762477.53	9.52408		
447325.88	3762454.31	12.83148	447225.58
3762432.95	18.62743		
447200.27	3762430.63	19.50442	447156.85
3762430.16	19.54872		
447131.77	3762430.86	19.15281	447102.74
3762430.63	19.13634		
447079.06	3762430.86	18.94928	447034.94
3762433.65	17.73574		
446995.47	3762433.65	17.61496	446972.71
3762434.34	17.30946		
446941.37	3762434.58	17.12405	446916.06
3762436.90	16.28873		
446876.35	3762436.90	16.09811	446848.85
3762647.05	2.73278		
446848.85	3762563.17	4.20739	446849.17
3762509.82	6.23317		
446849.17	3762455.82	11.51737	446848.85
3762702.00	2.05298		
446849.49	3762754.71	1.72570	446739.81
3762428.53	14.02401		
446711.81	3762423.61	13.34345	446687.25
3762416.25	13.28597		
446662.20	3762412.32	12.08891	446636.17
3762403.97	11.63679		
449981.72	3762732.45	0.28197	446486.82

3762231.95	19.13117		
446261.97	3762068.01	17.46242	446443.15
3762291.63	11.84301		
446071.80	3762055.49	16.12642	446072.08
3761983.13	14.43978		
446138.18	3762002.17	15.25309	445884.94
3762039.75	15.59594		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 106

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 10R60 ***

INCLUDING SOURCE(S): L0001115 , L0001116 ,
L0001117 , L0001118 , L0001119 ,
L0001120 , L0001121 , L0001122 , L0001123 , L0001124 ,
L0001125 , L0001126 , L0001127 ,
L0001128 , L0001129 , L0001130 , L0001131 , L0001132 ,
L0001133 , L0001134 , L0001135 ,
L0001136 , L0001137 , L0001138 , L0001139 , L0001140 ,
L0001141 , L0001142 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.13349	447375.98	
3764150.98	0.14694			
447389.75	3764043.04	0.16060	447450.16	
3764031.05	0.16695			
447410.18	3764019.05	0.16508	446891.90	
3764451.22	0.10291			
446959.28	3764451.22	0.10537	446995.28	
3764468.13	0.10556			
447007.41	3764467.30	0.10593	447023.51	
3764466.09	0.10658			
447036.59	3764466.21	0.10707	447052.68	
3764465.61	0.10763			
447066.60	3764465.73	0.10807	447099.65	
3764456.17	0.10981			
447145.28	3764468.27	0.11095	447175.54	
3764468.03	0.11266			
447205.32	3764468.27	0.11423	447232.43	
3764467.55	0.11465			
447264.02	3764467.30	0.11449	447294.77	
3764466.94	0.11515			
447364.97	3764456.41	0.11929	447406.61	
3764460.65	0.12095			
447441.47	3764460.04	0.12232	447466.88	
3764460.20	0.12344			
447490.00	3764460.56	0.12467	447515.50	
3764460.40	0.12623			
447573.06	3764454.29	0.13040	447598.49	
3764445.22	0.13197			
447652.90	3764439.70	0.13292	447692.92	
3764439.51	0.13467			
447713.82	3764439.11	0.13552	447731.95	

3764438.72	0.13613		
447751.07	3764438.72	0.13687	447768.82
3764437.53	0.13749		
447789.12	3764437.73	0.13792	447805.68
3764437.34	0.13845		
447824.02	3764437.20	0.13906	447841.61
3764437.87	0.13972		
447861.72	3764437.53	0.14062	447881.66
3764435.18	0.14171		
447902.78	3764436.19	0.14245	447920.87
3764435.35	0.14324		
447942.16	3764435.35	0.14406	447962.77
3764434.85	0.14490		
447980.70	3764435.18	0.14555	448004.66
3764435.18	0.14680		
448021.25	3764434.68	0.14865	447662.70
3764379.63	0.13743		
447681.30	3764320.98	0.14369	447682.64
3764285.79	0.14865		
447662.53	3764238.37	0.15411	447661.70
3764207.37	0.15866		
447683.14	3764162.29	0.16696	447680.97
3764145.87	0.16946		
447679.63	3764130.28	0.17201	447680.80
3764112.02	0.17513		
447681.47	3764096.43	0.17750	447680.80
3764078.84	0.17987		
447679.96	3764064.26	0.18156	447680.97
3764045.82	0.18381		
447680.63	3764029.74	0.18564	447657.17
3763992.03	0.18889		
447656.33	3763967.06	0.19171	447657.17
3763928.69	0.19673		
447657.17	3763902.21	0.20023	447657.51
3763869.03	0.20564		
447656.16	3763834.94	0.21034	447655.93
3763808.27	0.21394		
447657.09	3763786.00	0.21720	447701.21
3763782.14	0.22274		
447856.92	3763749.71	0.25408	447854.99
3763730.13	0.25865		
447854.35	3763698.35	0.26664	447855.31
3763676.84	0.27247		
447675.51	3763287.46	0.34744	448481.33
3763485.29	0.47570		
448479.95	3763195.53	0.79136	448478.56
3762907.16	1.58564		
448497.89	3762714.10	2.96550	448507.91
3762487.71	11.93187		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 107

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 10R60 ***

	INCLUDING SOURCE(S):	L0001115	,	L0001116	,				
	L0001117	,	L0001118	,	L0001119	,			
L0001120	,	L0001121	,	L0001122	,	L0001123	,	L0001124	,
L0001125	,	L0001126	,	L0001127	,				
L0001128	,	L0001129	,	L0001130	,	L0001131	,	L0001132	,
L0001133	,	L0001134	,	L0001135	,				
L0001136	,	L0001137	,	L0001138	,	L0001139	,	L0001140	,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF OTHER MICROGRAMS/M**3	IN		
X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD
(M)	CONC				
448480.49	3762357.96	36.79263		448462.73	
3762339.82	22.09698				
448464.47	3762265.93	9.60054		448461.57	
3762165.17	5.34416				
448472.57	3762064.71	3.67879		448460.48	
3762016.72	3.10355				
448234.63	3761951.18	1.87503		448081.42	
3761952.78	1.40509				
448025.53	3761955.99	1.26312		447506.75	
3761967.63	0.54635				
447269.29	3761967.74	0.41217		447389.46	
3761908.79	0.46950				
447019.14	3761964.34	0.32053		447060.33	
3761963.58	0.33314				
446975.31	3761963.20	0.30792		446940.92	
3761953.76	0.29848				
446865.72	3761974.54	0.28002		446795.06	
3761957.91	0.26386				
446757.65	3761965.85	0.25603		446709.33	
3761967.74	0.24641				
446796.42	3762028.62	0.26457		446796.97	
3762045.28	0.26474				
446796.70	3762089.51	0.26484		446796.15	
3762105.89	0.26469				
446796.70	3762137.29	0.26469		446796.15	
3762153.39	0.26448				
446772.40	3762215.37	0.25889		446795.06	
3762321.03	0.26206				
446796.42	3762450.98	0.25895		446796.42	
3762471.18	0.25826				
446797.24	3762496.03	0.25754		446798.06	
3762516.51	0.25692				
446797.79	3762539.98	0.25592		446797.52	
3762560.19	0.25501				
446798.61	3762584.76	0.25416		446798.06	
3762604.42	0.25314				
446799.70	3762654.11	0.24960		446799.97	
3762674.58	0.24595				
446800.25	3762700.25	0.24338		446800.25	
3762721.27	0.24136				
446799.97	3762735.74	0.24037		446797.79	
3762748.02	0.23915				
446802.16	3762913.47	0.23024		446802.16	
3762932.58	0.22895				
446802.43	3762949.24	0.22786		446802.98	
3762967.26	0.22673				
446802.70	3762986.09	0.22534		446802.16	
3763003.29	0.22248				
446802.16	3763021.86	0.22077		446802.70	
3763040.70	0.21842				
446802.98	3763059.26	0.21620		446803.52	
3763077.01	0.21371				
446756.29	3763085.26	0.20951		446807.68	
3763646.39	0.15377				
446808.32	3763674.66	0.15169		446807.68	

3763694.57	0.15008		
446808.32	3763710.63	0.14896	446808.32
3763726.37	0.14783		
446808.00	3763742.11	0.14675	446808.32
3763756.89	0.14577		
446808.64	3763798.32	0.14262	446810.25
3764484.08	0.09838		
446781.34	3764475.08	0.09784	446722.56
3764455.81	0.09697		
446170.32	3764559.79	0.07721	446872.29
3763190.26	0.20137		
446925.22	3763179.19	0.20955	446984.86
3763194.88	0.21714		
447010.56	3763193.28	0.22078	447036.58
3763193.60	0.22485		
447053.61	3763193.28	0.22757	447076.42
3763192.31	0.23126		
447093.45	3763192.63	0.23383	447122.05
3763192.63	0.23915		
447138.75	3763192.31	0.24231	447167.99
3763192.31	0.24787		
447170.68	3763172.18	0.25144	447170.41
3763158.25	0.25358		
447169.31	3763144.87	0.25517	447147.46
3763107.45	0.25533		

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***
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*** 09:18:50

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PAGE 108

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 1OR60 ***
INCLUDING SOURCE(S): L0001115 , L0001116 ,
L0001117 , L0001118 , L0001119 ,
L0001120 , L0001121 , L0001122 , L0001123 , L0001124 ,
L0001125 , L0001126 , L0001127 ,
L0001128 , L0001129 , L0001130 , L0001131 , L0001132 ,
L0001133 , L0001134 , L0001135 ,
L0001136 , L0001137 , L0001138 , L0001139 , L0001140 ,
L0001141 , L0001142 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.25848	447146.92	
3763064.30	0.26165			
447149.92	3763038.90	0.26651	447148.56	
3763019.78	0.26924			
447148.56	3762997.39	0.27299	447206.08	
3762958.49	0.30397			
447209.33	3762922.51	0.31618	447208.40	
3762890.70	0.32167			
447145.83	3762888.87	0.30417	447122.55	
3762889.07	0.29795			
447094.33	3762890.05	0.29006	447071.04	
3762890.45	0.28426			
447043.61	3762889.66	0.27781	447017.76	

3762888.87	0.27243		
446992.11	3762889.07	0.26670	446964.28
3762888.28	0.26079		
446940.41	3762888.47	0.25588	446911.20
3762888.08	0.25067		
446885.35	3762889.66	0.24551	446862.07
3762888.87	0.24118		
446871.45	3762779.57	0.25116	446926.31
3762768.72	0.26343		
446983.74	3762774.24	0.27590	447009.00
3762774.05	0.28262		
447030.51	3762774.44	0.28910	447055.37
3762774.05	0.29632		
447076.88	3762774.24	0.30201	447101.16
3762774.44	0.30749		
447123.85	3762774.05	0.31396	447148.12
3762775.03	0.32058		
447170.23	3762774.84	0.32665	447196.78
3762775.48	0.33558		
447242.12	3762776.57	0.35053	447262.33
3762776.03	0.35771		
447294.56	3762776.30	0.36993	447313.13
3762775.48	0.37713		
447313.40	3762749.53	0.38117	447327.86
3762713.09	0.39372		
447327.36	3762679.87	0.40457	447327.74
3762657.02	0.41029		
447327.28	3762636.82	0.41266	447327.51
3762612.90	0.41574		
447327.28	3762592.24	0.41809	447327.04
3762569.71	0.42056		
447327.28	3762547.89	0.42307	447326.58
3762524.67	0.42517		
447326.58	3762506.09	0.42701	447327.51
3762477.53	0.43015		
447325.88	3762454.31	0.43134	447225.58
3762432.95	0.38751		
447200.27	3762430.63	0.37740	447156.85
3762430.16	0.36084		
447131.77	3762430.86	0.35177	447102.74
3762430.63	0.34177		
447079.06	3762430.86	0.33393	447034.94
3762433.65	0.32002		
446995.47	3762433.65	0.30848	446972.71
3762434.34	0.30211		
446941.37	3762434.58	0.29372	446916.06
3762436.90	0.28714		
446876.35	3762436.90	0.27741	446848.85
3762647.05	0.26062		
446848.85	3762563.17	0.26586	446849.17
3762509.82	0.26830		
446849.17	3762455.82	0.27040	446848.85
3762702.00	0.25266		
446849.49	3762754.71	0.24837	446739.81
3762428.53	0.24800		
446711.81	3762423.61	0.24269	446687.25
3762416.25	0.23826		
446662.20	3762412.32	0.23379	446636.17
3762403.97	0.22939		
449981.72	3762732.45	2.37976	446486.82
3762231.95	0.20810		
446261.97	3762068.01	0.17950	446443.15
3762291.63	0.20117		
446071.80	3762055.49	0.15940	446072.08
3761983.13	0.15949		
446138.18	3762002.17	0.16609	445884.94

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 10R85 ***

INCLUDING SOURCE(S): L0000867 , L0000868 ,
 L0000869 , L0000870 , L0000871 ,
 L0000872 , L0000873 , L0000874 , L0000875 , L0000876 ,
 L0000877 , L0000878 , L0000879 ,
 L0000880 , L0000881 , L0000882 , L0000883 , L0000884 ,
 L0000885 , L0000886 , L0000887 ,
 L0000888 , L0000889 , L0000890 , L0000891 , L0000892 ,
 L0000893 , L0000894 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.17378	447375.98	
3764150.98	0.19785			
447389.75	3764043.04	0.22338	447450.16	
3764031.05	0.23116			
447410.18	3764019.05	0.23074	446891.90	
3764451.22	0.13613			
446959.28	3764451.22	0.13886	446995.28	
3764468.13	0.13827			
447007.41	3764467.30	0.13860	447023.51	
3764466.09	0.13929			
447036.59	3764466.21	0.13976	447052.68	
3764465.61	0.14027			
447066.60	3764465.73	0.14061	447099.65	
3764456.17	0.14262			
447145.28	3764468.27	0.14305	447175.54	
3764468.03	0.14488			
447205.32	3764468.27	0.14648	447232.43	
3764467.55	0.14626			
447264.02	3764467.30	0.14495	447294.77	
3764466.94	0.14498			
447364.97	3764456.41	0.14928	447406.61	
3764460.65	0.15048			
447441.47	3764460.04	0.15147	447466.88	
3764460.20	0.15237			
447490.00	3764460.56	0.15350	447515.50	
3764460.40	0.15505			
447573.06	3764454.29	0.15945	447598.49	
3764445.22	0.16092			
447652.90	3764439.70	0.16032	447692.92	
3764439.51	0.16139			
447713.82	3764439.11	0.16184	447731.95	
3764438.72	0.16203			
447751.07	3764438.72	0.16236	447768.82	
3764437.53	0.16258			
447789.12	3764437.73	0.16241	447805.68	
3764437.34	0.16255			
447824.02	3764437.20	0.16273	447841.61	

3764437.87	0.16302		
447861.72	3764437.53	0.16357	447881.66
3764435.18	0.16438		
447902.78	3764436.19	0.16470	447920.87
3764435.35	0.16519		
447942.16	3764435.35	0.16564	447962.77
3764434.85	0.16615		
447980.70	3764435.18	0.16651	448004.66
3764435.18	0.16753		
448021.25	3764434.68	0.16956	447662.70
3764379.63	0.16682		
447681.30	3764320.98	0.17566	447682.64
3764285.79	0.18335		
447662.53	3764238.37	0.19321	447661.70
3764207.37	0.20074		
447683.14	3764162.29	0.21325	447680.97
3764145.87	0.21765		
447679.63	3764130.28	0.22211	447680.80
3764112.02	0.22740		
447681.47	3764096.43	0.23149	447680.80
3764078.84	0.23573		
447679.96	3764064.26	0.23884	447680.97
3764045.82	0.24282		
447680.63	3764029.74	0.24621	447657.17
3763992.03	0.25455		
447656.33	3763967.06	0.26008	447657.17
3763928.69	0.26978		
447657.17	3763902.21	0.27674	447657.51
3763869.03	0.28751		
447656.16	3763834.94	0.29745	447655.93
3763808.27	0.30517		
447657.09	3763786.00	0.31203	447701.21
3763782.14	0.31675		
447856.92	3763749.71	0.35265	447854.99
3763730.13	0.36210		
447854.35	3763698.35	0.37850	447855.31
3763676.84	0.39044		
447675.51	3763287.46	0.67878	448481.33
3763485.29	0.57251		
448479.95	3763195.53	1.03091	448478.56
3762907.16	2.50678		
448497.89	3762714.10	4.99458	448507.91
3762487.71	15.04863		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 110

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 10R85 ***

INCLUDING SOURCE(S): L0000867 , L0000868 ,
L0000869 , L0000870 , L0000871 ,
L0000872 , L0000873 , L0000874 , L0000875 , L0000876 ,
L0000877 , L0000878 , L0000879 ,
L0000880 , L0000881 , L0000882 , L0000883 , L0000884 ,
L0000885 , L0000886 , L0000887 ,
L0000888 , L0000889 , L0000890 , L0000891 , L0000892 ,
L0000893 , L0000894 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
448480.49	3762357.96	15.23980	448462.73	
3762339.82	14.20723			
448464.47	3762265.93	7.34620	448461.57	
3762165.17	4.35034			
448472.57	3762064.71	2.91646	448460.48	
3762016.72	2.57637			
448234.63	3761951.18	2.87888	448081.42	
3761952.78	3.23280			
448025.53	3761955.99	3.32473	447506.75	
3761967.63	2.33780			
447269.29	3761967.74	1.48958	447389.46	
3761908.79	1.73560			
447019.14	3761964.34	0.92403	447060.33	
3761963.58	0.99322			
446975.31	3761963.20	0.85739	446940.92	
3761953.76	0.80823			
446865.72	3761974.54	0.72288	446795.06	
3761957.91	0.64937			
446757.65	3761965.85	0.61683	446709.33	
3761967.74	0.57772			
446796.42	3762028.62	0.65744	446796.97	
3762045.28	0.65928			
446796.70	3762089.51	0.66255	446796.15	
3762105.89	0.66279			
446796.70	3762137.29	0.66445	446796.15	
3762153.39	0.66427			
446772.40	3762215.37	0.64163	446795.06	
3762321.03	0.65844			
446796.42	3762450.98	0.64337	446796.42	
3762471.18	0.63972			
446797.24	3762496.03	0.63558	446798.06	
3762516.51	0.63195			
446797.79	3762539.98	0.62636	446797.52	
3762560.19	0.62129			
446798.61	3762584.76	0.61613	446798.06	
3762604.42	0.61050			
446799.70	3762654.11	0.59820	446799.97	
3762674.58	0.59254			
446800.25	3762700.25	0.58522	446800.25	
3762721.27	0.57903			
446799.97	3762735.74	0.57453	446797.79	
3762748.02	0.56923			
446802.16	3762913.47	0.52103	446802.16	
3762932.58	0.51493			
446802.43	3762949.24	0.50977	446802.98	
3762967.26	0.50432			
446802.70	3762986.09	0.49811	446802.16	
3763003.29	0.49226			
446802.16	3763021.86	0.48110	446802.70	
3763040.70	0.47196			
446802.98	3763059.26	0.45993	446803.52	
3763077.01	0.45026			
446756.29	3763085.26	0.44463	446807.68	
3763646.39	0.24592			
446808.32	3763674.66	0.24055	446807.68	
3763694.57	0.23652			
446808.32	3763710.63	0.23370	446808.32	
3763726.37	0.23090			
446808.00	3763742.11	0.22827	446808.32	
3763756.89	0.22588			
446808.64	3763798.32	0.21834	446810.25	

3762888.87	0.56949		
446871.45	3762779.57	0.61772	446926.31
3762768.72	0.67209		
446983.74	3762774.24	0.72913	447009.00
3762774.05	0.75807		
447030.51	3762774.44	0.78397	447055.37
3762774.05	0.81606		
447076.88	3762774.24	0.84498	447101.16
3762774.44	0.87938		
447123.85	3762774.05	0.91414	447148.12
3762775.03	0.95221		
447170.23	3762774.84	0.99006	447196.78
3762775.48	1.03765		
447242.12	3762776.57	1.12651	447262.33
3762776.03	1.17111		
447294.56	3762776.30	1.24556	447313.13
3762775.48	1.29304		
447313.40	3762749.53	1.34440	447327.86
3762713.09	1.46521		
447327.36	3762679.87	1.54013	447327.74
3762657.02	1.59528		
447327.28	3762636.82	1.64162	447327.51
3762612.90	1.70034		
447327.28	3762592.24	1.74868	447327.04
3762569.71	1.80079		
447327.28	3762547.89	1.85271	447326.58
3762524.67	1.90061		
447326.58	3762506.09	1.94024	447327.51
3762477.53	2.00329		
447325.88	3762454.31	2.03334	447225.58
3762432.95	1.51731		
447200.27	3762430.63	1.41945	447156.85
3762430.16	1.27295		
447131.77	3762430.86	1.19941	447102.74
3762430.63	1.12326		
447079.06	3762430.86	1.06680	447034.94
3762433.65	0.97331		
446995.47	3762433.65	0.90173	446972.71
3762434.34	0.86429		
446941.37	3762434.58	0.81720	446916.06
3762436.90	0.78171		
446876.35	3762436.90	0.73162	446848.85
3762647.05	0.64386		
446848.85	3762563.17	0.66960	446849.17
3762509.82	0.68428		
446849.17	3762455.82	0.69665	446848.85
3762702.00	0.62552		
446849.49	3762754.71	0.60605	446739.81
3762428.53	0.59568		
446711.81	3762423.61	0.57344	446687.25
3762416.25	0.55537		
446662.20	3762412.32	0.53754	446636.17
3762403.97	0.52042		
449981.72	3762732.45	0.81230	446486.82
3762231.95	0.44206		
446261.97	3762068.01	0.34875	446443.15
3762291.63	0.41891		
446071.80	3762055.49	0.29182	446072.08
3761983.13	0.29158		
446138.18	3762002.17	0.30972	445884.94
3762039.75	0.24943		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR

SOURCE GROUP: 2CIDLE ***

INCLUDING SOURCE(S): L0000119 , L0000120 ,
 L0000121 , L0000122 , L0000123 ,
 L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
 L0000129 , L0000130 , L0000131 ,
 L0000132 , L0000133 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.73210	447375.98	
3764150.98	1.00008			
447389.75	3764043.04	1.45277	447450.16	
3764031.05	1.59034			
447410.18	3764019.05	1.64497	446891.90	
3764451.22	0.46549			
446959.28	3764451.22	0.48110	446995.28	
3764468.13	0.47442			
447007.41	3764467.30	0.47618	447023.51	
3764466.09	0.48018			
447036.59	3764466.21	0.48278	447052.68	
3764465.61	0.48558			
447066.60	3764465.73	0.48730	447099.65	
3764456.17	0.50022			
447145.28	3764468.27	0.50036	447175.54	
3764468.03	0.51138			
447205.32	3764468.27	0.52060	447232.43	
3764467.55	0.51730			
447264.02	3764467.30	0.50672	447294.77	
3764466.94	0.50459			
447364.97	3764456.41	0.52557	447406.61	
3764460.65	0.52804			
447441.47	3764460.04	0.53081	447466.88	
3764460.20	0.53422			
447490.00	3764460.56	0.53948	447515.50	
3764460.40	0.54739			
447573.06	3764454.29	0.57201	447598.49	
3764445.22	0.58143			
447652.90	3764439.70	0.57822	447692.92	
3764439.51	0.58263			
447713.82	3764439.11	0.58419	447731.95	
3764438.72	0.58445			
447751.07	3764438.72	0.58501	447768.82	
3764437.53	0.58537			
447789.12	3764437.73	0.58323	447805.68	
3764437.34	0.58280			
447824.02	3764437.20	0.58223	447841.61	
3764437.87	0.58171			
447861.72	3764437.53	0.58230	447881.66	
3764435.18	0.58458			
447902.78	3764436.19	0.58324	447920.87	
3764435.35	0.58346			
447942.16	3764435.35	0.58270	447962.77	
3764434.85	0.58225			
447980.70	3764435.18	0.58108	448004.66	
3764435.18	0.58149			

3761952.78	0.41587		
448025.53	3761955.99	0.42928	447506.75
3761967.63	0.52785		
447269.29	3761967.74	0.55210	447389.46
3761908.79	0.50620		
447019.14	3761964.34	0.55923	447060.33
3761963.58	0.55791		
446975.31	3761963.20	0.55896	446940.92
3761953.76	0.55280		
446865.72	3761974.54	0.56678	446795.06
3761957.91	0.55312		
446757.65	3761965.85	0.55574	446709.33
3761967.74	0.55270		
446796.42	3762028.62	0.60096	446796.97
3762045.28	0.61319		
446796.70	3762089.51	0.64864	446796.15
3762105.89	0.66191		
446796.70	3762137.29	0.68866	446796.15
3762153.39	0.70286		
446772.40	3762215.37	0.75799	446795.06
3762321.03	0.88162		
446796.42	3762450.98	1.06916	446796.42
3762471.18	1.10282		
446797.24	3762496.03	1.14664	446798.06
3762516.51	1.18450		
446797.79	3762539.98	1.22802	446797.52
3762560.19	1.26658		
446798.61	3762584.76	1.31692	446798.06
3762604.42	1.35749		
446799.70	3762654.11	1.47020	446799.97
3762674.58	1.51844		
446800.25	3762700.25	1.58059	446800.25
3762721.27	1.63129		
446799.97	3762735.74	1.66579	446797.79
3762748.02	1.69036		
446802.16	3762913.47	2.11655	446802.16
3762932.58	2.16194		
446802.43	3762949.24	2.20180	446802.98
3762967.26	2.24509		
446802.70	3762986.09	2.28445	446802.16
3763003.29	2.31743		
446802.16	3763021.86	2.35445	446802.70
3763040.70	2.39337		
446802.98	3763059.26	2.42769	446803.52
3763077.01	2.45972		
446756.29	3763085.26	2.15486	446807.68
3763646.39	1.87915		
446808.32	3763674.66	1.80393	446807.68
3763694.57	1.74686		
446808.32	3763710.63	1.70603	446808.32
3763726.37	1.66408		
446808.00	3763742.11	1.62176	446808.32
3763756.89	1.58469		
446808.64	3763798.32	1.48179	446810.25
3764484.08	0.42539		
446781.34	3764475.08	0.42351	446722.56
3764455.81	0.42052		
446170.32	3764559.79	0.25941	446872.29
3763190.26	3.27010		
446925.22	3763179.19	3.98802	446984.86
3763194.88	5.21161		
447010.56	3763193.28	5.88918	447036.58
3763193.60	6.72005		
447053.61	3763193.28	7.35256	447076.42
3763192.31	8.32859		
447093.45	3763192.63	9.19383	447122.05

3763192.63	10.89883		
447138.75	3763192.31	12.06449	447167.99
3763192.31	14.48589		
447170.68	3763172.18	13.37918	447170.41
3763158.25	12.46034		
447169.31	3763144.87	11.58993	447147.46
3763107.45	8.91868		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 114

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2CIDLE ***


INCLUDING SOURCE(S): L0000119 , L0000120 ,
L0000121 , L0000122 , L0000123 ,
L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
L0000129 , L0000130 , L0000131 ,
L0000132 , L0000133 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	8.01168	447146.92	
3763064.30	7.32867			
447149.92	3763038.90	6.58326	447148.56	
3763019.78	6.03907			
447148.56	3762997.39	5.48793	447206.08	
3762958.49	4.87080			
447209.33	3762922.51	4.19215	447208.40	
3762890.70	3.70654			
447145.83	3762888.87	3.60210	447122.55	
3762889.07	3.54795			
447094.33	3762890.05	3.47112	447071.04	
3762890.45	3.38774			
447043.61	3762889.66	3.26259	447017.76	
3762888.87	3.13464			
446992.11	3762889.07	3.00878	446964.28	
3762888.28	2.86007			
446940.41	3762888.47	2.73593	446911.20	
3762888.08	2.58064			
446885.35	3762889.66	2.45555	446862.07	
3762888.87	2.33654			
446871.45	3762779.57	1.98468	446926.31	
3762768.72	2.09626			
446983.74	3762774.24	2.26476	447009.00	
3762774.05	2.31904			
447030.51	3762774.44	2.36166	447055.37	
3762774.05	2.40081			
447076.88	3762774.24	2.43368	447101.16	
3762774.44	2.46571			
447123.85	3762774.05	2.48353	447148.12	
3762775.03	2.50702			
447170.23	3762774.84	2.51469	447196.78	
3762775.48	2.52241			
447242.12	3762776.57	2.52167	447262.33	
3762776.03	2.50779			

447294.56	3762776.30	2.48745	447313.13
3762775.48	2.46584		
447313.40	3762749.53	2.28574	447327.86
3762713.09	2.05428		
447327.36	3762679.87	1.88034	447327.74
3762657.02	1.77447		
447327.28	3762636.82	1.68871	447327.51
3762612.90	1.59454		
447327.28	3762592.24	1.52083	447327.04
3762569.71	1.44648		
447327.28	3762547.89	1.37970	447326.58
3762524.67	1.31427		
447326.58	3762506.09	1.26521	447327.51
3762477.53	1.19434		
447325.88	3762454.31	1.14210	447225.58
3762432.95	1.11741		
447200.27	3762430.63	1.11575	447156.85
3762430.16	1.11821		
447131.77	3762430.86	1.12104	447102.74
3762430.63	1.12056		
447079.06	3762430.86	1.11987	447034.94
3762433.65	1.12261		
446995.47	3762433.65	1.11728	446972.71
3762434.34	1.11444		
446941.37	3762434.58	1.10793	446916.06
3762436.90	1.10489		
446876.35	3762436.90	1.08900	446848.85
3762647.05	1.53222		
446848.85	3762563.17	1.32667	446849.17
3762509.82	1.21331		
446849.17	3762455.82	1.10973	446848.85
3762702.00	1.68540		
446849.49	3762754.71	1.84314	446739.81
3762428.53	0.99651		
446711.81	3762423.61	0.97085	446687.25
3762416.25	0.94442		
446662.20	3762412.32	0.92230	446636.17
3762403.97	0.89488		
449981.72	3762732.45	0.21590	446486.82
3762231.95	0.66714		
446261.97	3762068.01	0.49812	446443.15
3762291.63	0.68238		
446071.80	3762055.49	0.43019	446072.08
3761983.13	0.41295		
446138.18	3762002.17	0.43776	445884.94
3762039.75	0.37046		

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 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 115

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 2CON ***
 INCLUDING SOURCE(S): L0000134 , L0000135 ,
 L0000136 , L0000137 , L0000138 ,
 L0000139 , L0000140 , L0000141 , L0000142 , L0000143 ,
 L0000144 , L0000145 , L0000146 ,
 L0000147 , L0000148 , L0000149 , L0000150 , L0000151 ,
 L0000152 , L0000153 , L0000154 ,
 L0000155 , L0000156 , L0000157 , L0000158 , L0000159 ,
 L0000160 , L0000161 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3

**

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.72533	447375.98	
3764150.98	0.99513			
447389.75	3764043.04	1.48280	447450.16	
3764031.05	1.58085			
447410.18	3764019.05	1.60962	446891.90	
3764451.22	0.44587			
446959.28	3764451.22	0.46321	446995.28	
3764468.13	0.45841			
447007.41	3764467.30	0.46051	447023.51	
3764466.09	0.46483			
447036.59	3764466.21	0.46773	447052.68	
3764465.61	0.47090			
447066.60	3764465.73	0.47298	447099.65	
3764456.17	0.48626			
447145.28	3764468.27	0.48765	447175.54	
3764468.03	0.49911			
447205.32	3764468.27	0.50898	447232.43	
3764467.55	0.50663			
447264.02	3764467.30	0.49745	447294.77	
3764466.94	0.49660			
447364.97	3764456.41	0.52040	447406.61	
3764460.65	0.52437			
447441.47	3764460.04	0.52797	447466.88	
3764460.20	0.53165			
447490.00	3764460.56	0.53696	447515.50	
3764460.40	0.54479			
447573.06	3764454.29	0.56929	447598.49	
3764445.22	0.57840			
447652.90	3764439.70	0.57384	447692.92	
3764439.51	0.57873			
447713.82	3764439.11	0.58074	447731.95	
3764438.72	0.58146			
447751.07	3764438.72	0.58267	447768.82	
3764437.53	0.58368			
447789.12	3764437.73	0.58224	447805.68	
3764437.34	0.58253			
447824.02	3764437.20	0.58279	447841.61	
3764437.87	0.58309			
447861.72	3764437.53	0.58464	447881.66	
3764435.18	0.58790			
447902.78	3764436.19	0.58739	447920.87	
3764435.35	0.58834			
447942.16	3764435.35	0.58834	447962.77	
3764434.85	0.58861			
447980.70	3764435.18	0.58800	448004.66	
3764435.18	0.58926			
448021.25	3764434.68	0.59529	447662.70	
3764379.63	0.62843			
447681.30	3764320.98	0.70265	447682.64	
3764285.79	0.76677			
447662.53	3764238.37	0.86150	447661.70	
3764207.37	0.93671			
447683.14	3764162.29	1.06331	447680.97	
3764145.87	1.11402			
447679.63	3764130.28	1.23411	447680.80	
3764112.02	1.30538			
447681.47	3764096.43	1.35984	447680.80	
3764078.84	1.42364			

447679.96	3764064.26	1.47639	447680.97
3764045.82	1.54562		
447680.63	3764029.74	1.61164	447657.17
3763992.03	1.80029		
447656.33	3763967.06	1.93376	447657.17
3763928.69	2.17813		
447657.17	3763902.21	2.37875	447657.51
3763869.03	2.69483		
447656.16	3763834.94	3.08358	447655.93
3763808.27	3.45140		
447657.09	3763786.00	3.82112	447701.21
3763782.14	3.85117		
447856.92	3763749.71	4.27474	447854.99
3763730.13	4.65171		
447854.35	3763698.35	5.31797	447855.31
3763676.84	5.79153		
447675.51	3763287.46	18.43324	448481.33
3763485.29	2.01581		
448479.95	3763195.53	1.31558	448478.56
3762907.16	0.83354		
448497.89	3762714.10	0.65963	448507.91
3762487.71	0.53009		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 116

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2CON ***

INCLUDING SOURCE(S): L0000134 , L0000135 ,
L0000136 , L0000137 , L0000138 ,
L0000139 , L0000140 , L0000141 , L0000142 , L0000143 ,
L0000144 , L0000145 , L0000146 ,
L0000147 , L0000148 , L0000149 , L0000150 , L0000151 ,
L0000152 , L0000153 , L0000154 ,
L0000155 , L0000156 , L0000157 , L0000158 , L0000159 ,
L0000160 , L0000161 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	0.48602	448462.73	
3762339.82	0.48561			
448464.47	3762265.93	0.45548	448461.57	
3762165.17	0.42014			
448472.57	3762064.71	0.38441	448460.48	
3762016.72	0.37310			
448234.63	3761951.18	0.40535	448081.42	
3761952.78	0.44113			
448025.53	3761955.99	0.45488	447506.75	
3761967.63	0.55143			
447269.29	3761967.74	0.57151	447389.46	
3761908.79	0.52517			
447019.14	3761964.34	0.57314	447060.33	
3761963.58	0.57300			
446975.31	3761963.20	0.57131	446940.92	
3761953.76	0.56367			

446865.72	3761974.54	0.57407	446795.06
3761957.91	0.55660		
446757.65	3761965.85	0.55684	446709.33
3761967.74	0.55082		
446796.42	3762028.62	0.60298	446796.97
3762045.28	0.61479		
446796.70	3762089.51	0.64871	446796.15
3762105.89	0.66127		
446796.70	3762137.29	0.68664	446796.15
3762153.39	0.69994		
446772.40	3762215.37	0.74830	446795.06
3762321.03	0.86401		
446796.42	3762450.98	1.02870	446796.42
3762471.18	1.05736		
446797.24	3762496.03	1.09454	446798.06
3762516.51	1.12637		
446797.79	3762539.98	1.16211	446797.52
3762560.19	1.19337		
446798.61	3762584.76	1.23425	446798.06
3762604.42	1.26626		
446799.70	3762654.11	1.35482	446799.97
3762674.58	1.39174		
446800.25	3762700.25	1.43859	446800.25
3762721.27	1.47599		
446799.97	3762735.74	1.50093	446797.79
3762748.02	1.51723		
446802.16	3762913.47	1.81219	446802.16
3762932.58	1.84179		
446802.43	3762949.24	1.86784	446802.98
3762967.26	1.89621		
446802.70	3762986.09	1.92118	446802.16
3763003.29	1.94176		
446802.16	3763021.86	1.96532	446802.70
3763040.70	1.99045		
446802.98	3763059.26	2.01224	446803.52
3763077.01	2.03261		
446756.29	3763085.26	1.79736	446807.68
3763646.39	1.58415		
446808.32	3763674.66	1.53011	446807.68
3763694.57	1.48846		
446808.32	3763710.63	1.45889	446808.32
3763726.37	1.42814		
446808.00	3763742.11	1.39685	446808.32
3763756.89	1.36951		
446808.64	3763798.32	1.29261	446810.25
3764484.08	0.40601		
446781.34	3764475.08	0.40323	446722.56
3764455.81	0.39862		
446170.32	3764559.79	0.24658	446872.29
3763190.26	2.60339		
446925.22	3763179.19	3.11788	446984.86
3763194.88	3.95339		
447010.56	3763193.28	4.41243	447036.58
3763193.60	4.96769		
447053.61	3763193.28	5.38919	447076.42
3763192.31	6.04191		
447093.45	3763192.63	6.62023	447122.05
3763192.63	7.78744		
447138.75	3763192.31	8.62101	447167.99
3763192.31	10.48433		
447170.68	3763172.18	10.15077	447170.41
3763158.25	9.73397		
447169.31	3763144.87	9.28289	447147.46
3763107.45	7.36177		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 2CON ***

INCLUDING SOURCE(S): L0000134 , L0000135 ,
 L0000136 , L0000137 , L0000138 ,
 L0000139 , L0000140 , L0000141 , L0000142 , L0000143 ,
 L0000144 , L0000145 , L0000146 ,
 L0000147 , L0000148 , L0000149 , L0000150 , L0000151 ,
 L0000152 , L0000153 , L0000154 ,
 L0000155 , L0000156 , L0000157 , L0000158 , L0000159 ,
 L0000160 , L0000161 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	6.82423	447146.92	
3763064.30	6.40320			
447149.92	3763038.90	5.94108	447148.56	
3763019.78	5.54134			
447148.56	3762997.39	5.13336	447206.08	
3762958.49	5.04468			
447209.33	3762922.51	4.40644	447208.40	
3762890.70	3.91814			
447145.83	3762888.87	3.58121	447122.55	
3762889.07	3.45238			
447094.33	3762890.05	3.29596	447071.04	
3762890.45	3.15926			
447043.61	3762889.66	2.98825	447017.76	
3762888.87	2.83012			
446992.11	3762889.07	2.68306	446964.28	
3762888.28	2.52423			
446940.41	3762888.47	2.39699	446911.20	
3762888.08	2.24625			
446885.35	3762889.66	2.12700	446862.07	
3762888.87	2.01929			
446871.45	3762779.57	1.78718	446926.31	
3762768.72	1.92434			
446983.74	3762774.24	2.12143	447009.00	
3762774.05	2.19835			
447030.51	3762774.44	2.26336	447055.37	
3762774.05	2.33305			
447076.88	3762774.24	2.39484	447101.16	
3762774.44	2.46254			
447123.85	3762774.05	2.51631	447148.12	
3762775.03	2.57924			
447170.23	3762774.84	2.62387	447196.78	
3762775.48	2.67560			
447242.12	3762776.57	2.74664	447262.33	
3762776.03	2.76108			
447294.56	3762776.30	2.78224	447313.13	
3762775.48	2.78030			
447313.40	3762749.53	2.56162	447327.86	
3762713.09	2.29365			
447327.36	3762679.87	2.08374	447327.74	
3762657.02	1.95755			

447327.28	3762636.82	1.85564	447327.51
3762612.90	1.74478		
447327.28	3762592.24	1.65839	447327.04
3762569.71	1.57176		
447327.28	3762547.89	1.49450	447326.58
3762524.67	1.41900		
447326.58	3762506.09	1.36277	447327.51
3762477.53	1.28211		
447325.88	3762454.31	1.22260	447225.58
3762432.95	1.18047		
447200.27	3762430.63	1.17458	447156.85
3762430.16	1.16941		
447131.77	3762430.86	1.16734	447102.74
3762430.63	1.16046		
447079.06	3762430.86	1.15414	447034.94
3762433.65	1.14556		
446995.47	3762433.65	1.12945	446972.71
3762434.34	1.12022		
446941.37	3762434.58	1.10504	446916.06
3762436.90	1.09483		
446876.35	3762436.90	1.06883	446848.85
3762647.05	1.42994		
446848.85	3762563.17	1.26385	446849.17
3762509.82	1.16867		
446849.17	3762455.82	1.07914	446848.85
3762702.00	1.54832		
446849.49	3762754.71	1.66575	446739.81
3762428.53	0.95228		
446711.81	3762423.61	0.92421	446687.25
3762416.25	0.89675		
446662.20	3762412.32	0.87320	446636.17
3762403.97	0.84548		
449981.72	3762732.45	0.22822	446486.82
3762231.95	0.63469		
446261.97	3762068.01	0.47427	446443.15
3762291.63	0.64273		
446071.80	3762055.49	0.40727	446072.08
3761983.13	0.39275		
446138.18	3762002.17	0.41668	445884.94
3762039.75	0.35011		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 118

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 2H25 ***
INCLUDING SOURCE(S): L0002075 , L0002076 ,
L0002077 , L0002078 , L0002079 ,
L0002080 , L0002081 , L0002082 , L0002083 , L0002084 ,
L0002085 , L0002086 , L0002087 ,
L0002088 , L0002089 , L0002090 , L0002091 , L0002092 ,
L0002093 , L0002094 , L0002095 ,
L0002096 , L0002097 , L0002098 , L0002099 , L0002100 ,
L0002101 , L0002102 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M)
(M) CONC

447362.21	3764292.67	0.49434	447375.98
3764150.98	0.52699		
447389.75	3764043.04	0.55617	447450.16
3764031.05	0.60408		
447410.18	3764019.05	0.57483	446891.90
3764451.22	0.28866		
446959.28	3764451.22	0.30654	446995.28
3764468.13	0.31468		
447007.41	3764467.30	0.31799	447023.51
3764466.09	0.32295		
447036.59	3764466.21	0.32697	447052.68
3764465.61	0.33202		
447066.60	3764465.73	0.33618	447099.65
3764456.17	0.34830		
447145.28	3764468.27	0.36327	447175.54
3764468.03	0.37591		
447205.32	3764468.27	0.38856	447232.43
3764467.55	0.39883		
447264.02	3764467.30	0.40851	447294.77
3764466.94	0.42018		
447364.97	3764456.41	0.46120	447406.61
3764460.65	0.48536		
447441.47	3764460.04	0.50694	447466.88
3764460.20	0.52414		
447490.00	3764460.56	0.54132	447515.50
3764460.40	0.56280		
447573.06	3764454.29	0.61582	447598.49
3764445.22	0.64154		
447652.90	3764439.70	0.69266	447692.92
3764439.51	0.73934		
447713.82	3764439.11	0.76581	447731.95
3764438.72	0.78935		
447751.07	3764438.72	0.81622	447768.82
3764437.53	0.84094		
447789.12	3764437.73	0.87086	447805.68
3764437.34	0.89758		
447824.02	3764437.20	0.92815	447841.61
3764437.87	0.96066		
447861.72	3764437.53	1.00161	447881.66
3764435.18	1.04583		
447902.78	3764436.19	1.09360	447920.87
3764435.35	1.13822		
447942.16	3764435.35	1.19421	447962.77
3764434.85	1.25310		
447980.70	3764435.18	1.30792	448004.66
3764435.18	1.38941		
448021.25	3764434.68	1.45630	447662.70
3764379.63	0.71637		
447681.30	3764320.98	0.75499	447682.64
3764285.79	0.77366		
447662.53	3764238.37	0.76481	447661.70
3764207.37	0.77379		
447683.14	3764162.29	0.81672	447680.97
3764145.87	0.81924		
447679.63	3764130.28	0.82253	447680.80
3764112.02	0.82863		
447681.47	3764096.43	0.83369	447680.80
3764078.84	0.83668		
447679.96	3764064.26	0.83819	447680.97
3764045.82	0.84223		
447680.63	3764029.74	0.84438	447657.17
3763992.03	0.82013		
447656.33	3763967.06	0.82241	447657.17
3763928.69	0.82785		

447657.17	3763902.21	0.83087	447657.51
3763869.03	0.83636		
447656.16	3763834.94	0.83725	447655.93
3763808.27	0.83839		
447657.09	3763786.00	0.84137	447701.21
3763782.14	0.90098		
447856.92	3763749.71	1.19296	447854.99
3763730.13	1.19175		
447854.35	3763698.35	1.19411	447855.31
3763676.84	1.19834		
447675.51	3763287.46	0.90159	448481.33
3763485.29	20.83028		
448479.95	3763195.53	19.54972	448478.56
3762907.16	18.25998		
448497.89	3762714.10	13.23328	448507.91
3762487.71	10.09010		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 119

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2H25 ***

INCLUDING SOURCE(S): L0002075 , L0002076 ,
L0002077 , L0002078 , L0002079 ,
L0002080 , L0002081 , L0002082 , L0002083 , L0002084 ,
L0002085 , L0002086 , L0002087 ,
L0002088 , L0002089 , L0002090 , L0002091 , L0002092 ,
L0002093 , L0002094 , L0002095 ,
L0002096 , L0002097 , L0002098 , L0002099 , L0002100 ,
L0002101 , L0002102 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	4.05519	448462.73	
3762339.82	3.59162			
448464.47	3762265.93	1.89101	448461.57	
3762165.17	1.18194			
448472.57	3762064.71	0.85847	448460.48	
3762016.72	0.76582			
448234.63	3761951.18	0.68458	448081.42	
3761952.78	0.65674			
448025.53	3761955.99	0.64049	447506.75	
3761967.63	0.43754			
447269.29	3761967.74	0.36609	447389.46	
3761908.79	0.38676			
447019.14	3761964.34	0.30646	447060.33	
3761963.58	0.31507			
446975.31	3761963.20	0.29743	446940.92	
3761953.76	0.28971			
446865.72	3761974.54	0.27813	446795.06	
3761957.91	0.26431			
446757.65	3761965.85	0.25872	446709.33	
3761967.74	0.25109			
446796.42	3762028.62	0.27039	446796.97	
3762045.28	0.27186			

446796.70	3762089.51	0.27575	446796.15
3762105.89	0.27696		
446796.70	3762137.29	0.27955	446796.15
3762153.39	0.28071		
446772.40	3762215.37	0.28100	446795.06
3762321.03	0.29346		
446796.42	3762450.98	0.30346	446796.42
3762471.18	0.30493		
446797.24	3762496.03	0.30689	446798.06
3762516.51	0.30851		
446797.79	3762539.98	0.30999	446797.52
3762560.19	0.31120		
446798.61	3762584.76	0.31298	446798.06
3762604.42	0.31409		
446799.70	3762654.11	0.31753	446799.97
3762674.58	0.31879		
446800.25	3762700.25	0.32031	446800.25
3762721.27	0.32137		
446799.97	3762735.74	0.32198	446797.79
3762748.02	0.32197		
446802.16	3762913.47	0.32955	446802.16
3762932.58	0.33015		
446802.43	3762949.24	0.33073	446802.98
3762967.26	0.33141		
446802.70	3762986.09	0.33187	446802.16
3763003.29	0.33222		
446802.16	3763021.86	0.33274	446802.70
3763040.70	0.33339		
446802.98	3763059.26	0.33393	446803.52
3763077.01	0.33448		
446756.29	3763085.26	0.32111	446807.68
3763646.39	0.32485		
446808.32	3763674.66	0.32410	446807.68
3763694.57	0.32302		
446808.32	3763710.63	0.32263	446808.32
3763726.37	0.32188		
446808.00	3763742.11	0.32122	446808.32
3763756.89	0.32075		
446808.64	3763798.32	0.31868	446810.25
3764484.08	0.26635		
446781.34	3764475.08	0.26077	446722.56
3764455.81	0.25041		
446170.32	3764559.79	0.16542	446872.29
3763190.26	0.35592		
446925.22	3763179.19	0.37328	446984.86
3763194.88	0.39555		
447010.56	3763193.28	0.40501	447036.58
3763193.60	0.41544		
447053.61	3763193.28	0.42248	447076.42
3763192.31	0.43195		
447093.45	3763192.63	0.43919	447122.05
3763192.63	0.45271		
447138.75	3763192.31	0.46058	447167.99
3763192.31	0.47516		
447170.68	3763172.18	0.47615	447170.41
3763158.25	0.47580		
447169.31	3763144.87	0.47478	447147.46
3763107.45	0.46217		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich

Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 2H25 ***

INCLUDING SOURCE(S) : L0002075 , L0002076 ,
L0002077 , L0002078 , L0002079 ,
L0002080 , L0002081 , L0002082 , L0002083 , L0002084 ,
L0002085 , L0002086 , L0002087 ,
L0002088 , L0002089 , L0002090 , L0002091 , L0002092 ,
L0002093 , L0002094 , L0002095 ,
L0002096 , L0002097 , L0002098 , L0002099 , L0002100 ,
L0002101 , L0002102 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.46107	447146.92	
3763064.30	0.46081			
447149.92	3763038.90	0.46146	447148.56	
3763019.78	0.46030			
447148.56	3762997.39	0.45950	447206.08	
3762958.49	0.48509			
447209.33	3762922.51	0.48387	447208.40	
3762890.70	0.48082			
447145.83	3762888.87	0.45098	447122.55	
3762889.07	0.44067			
447094.33	3762890.05	0.42870	447071.04	
3762890.45	0.41917			
447043.61	3762889.66	0.40828	447017.76	
3762888.87	0.39841			
446992.11	3762889.07	0.38903	446964.28	
3762888.28	0.37917			
446940.41	3762888.47	0.37103	446911.20	
3762888.08	0.36137			
446885.35	3762889.66	0.35327	446862.07	
3762888.87	0.34613			
446871.45	3762779.57	0.34405	446926.31	
3762768.72	0.36020			
446983.74	3762774.24	0.37937	447009.00	
3762774.05	0.38812			
447030.51	3762774.44	0.39575	447055.37	
3762774.05	0.40488			
447076.88	3762774.24	0.41317	447101.16	
3762774.44	0.42293			
447123.85	3762774.05	0.43222	447148.12	
3762775.03	0.44271			
447170.23	3762774.84	0.45250	447196.78	
3762775.48	0.46471			
447242.12	3762776.57	0.48685	447262.33	
3762776.03	0.49713			
447294.56	3762776.30	0.51435	447313.13	
3762775.48	0.52465			
447313.40	3762749.53	0.52157	447327.86	
3762713.09	0.52473			
447327.36	3762679.87	0.51936	447327.74	
3762657.02	0.51607			
447327.28	3762636.82	0.51260	447327.51	
3762612.90	0.50876			
447327.28	3762592.24	0.50526	447327.04	
3762569.71	0.50138			
447327.28	3762547.89	0.49779	447326.58	
3762524.67	0.49341			

447410.18	3764019.05	0.32601	446891.90
3764451.22	0.17827		
446959.28	3764451.22	0.18125	446995.28
3764468.13	0.17951		
447007.41	3764467.30	0.17981	447023.51
3764466.09	0.18057		
447036.59	3764466.21	0.18105	447052.68
3764465.61	0.18154		
447066.60	3764465.73	0.18180	447099.65
3764456.17	0.18436		
447145.28	3764468.27	0.18423	447175.54
3764468.03	0.18667		
447205.32	3764468.27	0.18883	447232.43
3764467.55	0.18829		
447264.02	3764467.30	0.18618	447294.77
3764466.94	0.18621		
447364.97	3764456.41	0.19264	447406.61
3764460.65	0.19423		
447441.47	3764460.04	0.19537	447466.88
3764460.20	0.19631		
447490.00	3764460.56	0.19750	447515.50
3764460.40	0.19912		
447573.06	3764454.29	0.20379	447598.49
3764445.22	0.20513		
447652.90	3764439.70	0.20239	447692.92
3764439.51	0.20268		
447713.82	3764439.11	0.20278	447731.95
3764438.72	0.20265		
447751.07	3764438.72	0.20278	447768.82
3764437.53	0.20286		
447789.12	3764437.73	0.20245	447805.68
3764437.34	0.20260		
447824.02	3764437.20	0.20291	447841.61
3764437.87	0.20343		
447861.72	3764437.53	0.20444	447881.66
3764435.18	0.20594		
447902.78	3764436.19	0.20682	447920.87
3764435.35	0.20795		
447942.16	3764435.35	0.20918	447962.77
3764434.85	0.21051		
447980.70	3764435.18	0.21156	448004.66
3764435.18	0.21368		
448021.25	3764434.68	0.21678	447662.70
3764379.63	0.21175		
447681.30	3764320.98	0.22438	447682.64
3764285.79	0.23601		
447662.53	3764238.37	0.25202	447661.70
3764207.37	0.26387		
447683.14	3764162.29	0.28273	447680.97
3764145.87	0.28986		
447679.63	3764130.28	0.29709	447680.80
3764112.02	0.30562		
447681.47	3764096.43	0.31228	447680.80
3764078.84	0.31933		
447679.96	3764064.26	0.32459	447680.97
3764045.82	0.33126		
447680.63	3764029.74	0.33705	447657.17
3763992.03	0.35287		
447656.33	3763967.06	0.36264	447657.17
3763928.69	0.37980		
447657.17	3763902.21	0.39236	447657.51
3763869.03	0.41186		
447656.16	3763834.94	0.43054	447655.93
3763808.27	0.44526		
447657.09	3763786.00	0.45841	447701.21
3763782.14	0.46305		

447856.92	3763749.71	0.52051	447854.99
3763730.13	0.53832		
447854.35	3763698.35	0.56959	447855.31
3763676.84	0.59259		
447675.51	3763287.46	1.40977	448481.33
3763485.29	0.84169		
448479.95	3763195.53	1.79530	448478.56
3762907.16	2.92858		
448497.89	3762714.10	2.70672	448507.91
3762487.71	1.80022		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 122

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2MC45 ***

INCLUDING SOURCE(S): L0002266 , L0002267 ,
L0002268 , L0002269 , L0002270 ,
L0002271 , L0002272 , L0002273 , L0002274 , L0002275 ,
L0002276 , L0002277 , L0002278 ,
L0002279 , L0002280 , L0002281 , L0002282 , L0002283 ,
L0002284 , L0002285 , L0002286 ,
L0002287 , L0002288 , L0002289 , L0002290 , L0002291 ,
L0002292 , L0002293 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
448480.49	3762357.96	1.43811	448462.73	
3762339.82	1.42764			
448464.47	3762265.93	1.24587	448461.57	
3762165.17	1.07216			
448472.57	3762064.71	0.92536	448460.48	
3762016.72	0.88615			
448234.63	3761951.18	1.08867	448081.42	
3761952.78	1.34237			
448025.53	3761955.99	1.45575	447506.75	
3761967.63	2.27570			
447269.29	3761967.74	2.06570	447389.46	
3761908.79	1.92199			
447019.14	3761964.34	1.48422	447060.33	
3761963.58	1.57689			
446975.31	3761963.20	1.38604	446940.92	
3761953.76	1.30186			
446865.72	3761974.54	1.18124	446795.06	
3761957.91	1.04562			
446757.65	3761965.85	0.99235	446709.33	
3761967.74	0.92331			
446796.42	3762028.62	1.09439	446796.97	
3762045.28	1.10570			
446796.70	3762089.51	1.13269	446796.15	
3762105.89	1.14043			
446796.70	3762137.29	1.15753	446796.15	
3762153.39	1.16400			
446772.40	3762215.37	1.13852	446795.06	
3762321.03	1.21945			

446796.42	3762450.98	1.23634	446796.42
3762471.18	1.23541		
446797.24	3762496.03	1.23506	446798.06
3762516.51	1.23403		
446797.79	3762539.98	1.22844	446797.52
3762560.19	1.22254		
446798.61	3762584.76	1.21778	446798.06
3762604.42	1.20933		
446799.70	3762654.11	1.19169	446799.97
3762674.58	1.18184		
446800.25	3762700.25	1.16818	446800.25
3762721.27	1.15591		
446799.97	3762735.74	1.14648	446797.79
3762748.02	1.13384		
446802.16	3762913.47	1.02220	446802.16
3762932.58	1.00672		
446802.43	3762949.24	0.99357	446802.98
3762967.26	0.97963		
446802.70	3762986.09	0.96345	446802.16
3763003.29	0.94811		
446802.16	3763021.86	0.92736	446802.70
3763040.70	0.90448		
446802.98	3763059.26	0.88387	446803.52
3763077.01	0.86444		
446756.29	3763085.26	0.82066	446807.68
3763646.39	0.38967		
446808.32	3763674.66	0.37821	446807.68
3763694.57	0.36975		
446808.32	3763710.63	0.36383	446808.32
3763726.37	0.35799		
446808.00	3763742.11	0.35251	446808.32
3763756.89	0.34755		
446808.64	3763798.32	0.33227	446810.25
3764484.08	0.16959		
446781.34	3764475.08	0.16947	446722.56
3764455.81	0.16965		
446170.32	3764559.79	0.12869	446872.29
3763190.26	0.76639		
446925.22	3763179.19	0.83151	446984.86
3763194.88	0.89753		
447010.56	3763193.28	0.92152	447036.58
3763193.60	0.95666		
447053.61	3763193.28	0.98085	447076.42
3763192.31	1.01442		
447093.45	3763192.63	1.02724	447122.05
3763192.63	1.08604		
447138.75	3763192.31	1.11546	447167.99
3763192.31	1.17267		
447170.68	3763172.18	1.23261	447170.41
3763158.25	1.27421		
447169.31	3763144.87	1.30530	447147.46
3763107.45	1.33266		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 123

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2MC45 ***

INCLUDING SOURCE(S): L0002266 , L0002267 ,
L0002268 , L0002269 , L0002270 ,
L0002271 , L0002272 , L0002273 , L0002274 , L0002275 ,
L0002276 , L0002277 , L0002278 ,

L0002279 , L0002280 , L0002281 , L0002282 , L0002283 ,
 L0002284 , L0002285 , L0002286 ,
 L0002287 , L0002288 , L0002289 , L0002290 , L0002291 ,
 L0002292 , L0002293 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	1.39907	447146.92	
3763064.30	1.46495			
447149.92	3763038.90	1.58737	447148.56	
3763019.78	1.65762			
447148.56	3762997.39	1.75942	447206.08	
3762958.49	2.25211			
447209.33	3762922.51	2.48947	447208.40	
3762890.70	2.66506			
447145.83	3762888.87	2.23170	447122.55	
3762889.07	2.09376			
447094.33	3762890.05	1.94100	447071.04	
3762890.45	1.82838			
447043.61	3762889.66	1.71090	447017.76	
3762888.87	1.61038			
446992.11	3762889.07	1.51750	446964.28	
3762888.28	1.42732			
446940.41	3762888.47	1.35896	446911.20	
3762888.08	1.28885			
446885.35	3762889.66	1.22101	446862.07	
3762888.87	1.16681			
446871.45	3762779.57	1.29448	446926.31	
3762768.72	1.47421			
446983.74	3762774.24	1.68555	447009.00	
3762774.05	1.79826			
447030.51	3762774.44	1.90357	447055.37	
3762774.05	2.03913			
447076.88	3762774.24	2.16740	447101.16	
3762774.44	2.32752			
447123.85	3762774.05	2.49722	447148.12	
3762775.03	2.69586			
447170.23	3762774.84	2.90377	447196.78	
3762775.48	3.18546			
447242.12	3762776.57	3.77598	447262.33	
3762776.03	4.10481			
447294.56	3762776.30	4.72119	447313.13	
3762775.48	5.15638			
447313.40	3762749.53	5.47231	447327.86	
3762713.09	6.36239			
447327.36	3762679.87	6.72342	447327.74	
3762657.02	6.95584			
447327.28	3762636.82	7.09694	447327.51	
3762612.90	7.25281			
447327.28	3762592.24	7.32740	447327.04	
3762569.71	7.36522			
447327.28	3762547.89	7.37825	447326.58	
3762524.67	7.30578			
447326.58	3762506.09	7.23888	447327.51	
3762477.53	7.11682			
447325.88	3762454.31	6.88676	447225.58	
3762432.95	4.27988			
447200.27	3762430.63	3.86596	447156.85	
3762430.16	3.28834			

447131.77	3762430.86	3.01342	447102.74
3762430.63	2.73425		
447079.06	3762430.86	2.53434	447034.94
3762433.65	2.21975		
446995.47	3762433.65	1.98588	446972.71
3762434.34	1.86835		
446941.37	3762434.58	1.72387	446916.06
3762436.90	1.61957		
446876.35	3762436.90	1.47377	446848.85
3762647.05	1.32750		
446848.85	3762563.17	1.36554	446849.17
3762509.82	1.38033		
446849.17	3762455.82	1.38571	446848.85
3762702.00	1.29246		
446849.49	3762754.71	1.25268	446739.81
3762428.53	1.10266		
446711.81	3762423.61	1.04516	446687.25
3762416.25	0.99853		
446662.20	3762412.32	0.95445	446636.17
3762403.97	0.91191		
449981.72	3762732.45	0.46727	446486.82
3762231.95	0.71099		
446261.97	3762068.01	0.51767	446443.15
3762291.63	0.67113		
446071.80	3762055.49	0.41694	446072.08
3761983.13	0.41384		
446138.18	3762002.17	0.44556	445884.94
3762039.75	0.34532		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 124

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2OR15 ***

INCLUDING SOURCE(S): L0001178 , L0001179 ,
L0001180 , L0001181 , L0001182 ,
L0001183 , L0001184 , L0001185 , L0001186 , L0001187 ,
L0001188 , L0001189 , L0001190 ,
L0001191 , L0001192 , L0001193 , L0001194 , L0001195 ,
L0001196 , L0001197 , L0001198 ,
L0001199 , L0001200 , L0001201 , L0001202 , L0001203 ,
L0001204 , L0001205 , . . . ,


*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.17191	447375.98	
3764150.98	0.19528			
447389.75	3764043.04	0.21915	447450.16	
3764031.05	0.22338			
447410.18	3764019.05	0.22522	446891.90	
3764451.22	0.14627			
446959.28	3764451.22	0.14713	446995.28	
3764468.13	0.14537			
447007.41	3764467.30	0.14543	447023.51	
3764466.09	0.14573			

447036.59	3764466.21	0.14587	447052.68
3764465.61	0.14601		
447066.60	3764465.73	0.14603	447099.65
3764456.17	0.14734		
447145.28	3764468.27	0.14663	447175.54
3764468.03	0.14764		
447205.32	3764468.27	0.14844	447232.43
3764467.55	0.14786		
447264.02	3764467.30	0.14638	447294.77
3764466.94	0.14598		
447364.97	3764456.41	0.14856	447406.61
3764460.65	0.14876		
447441.47	3764460.04	0.14902	447466.88
3764460.20	0.14933		
447490.00	3764460.56	0.14982	447515.50
3764460.40	0.15058		
447573.06	3764454.29	0.15306	447598.49
3764445.22	0.15409		
447652.90	3764439.70	0.15350	447692.92
3764439.51	0.15395		
447713.82	3764439.11	0.15414	447731.95
3764438.72	0.15421		
447751.07	3764438.72	0.15434	447768.82
3764437.53	0.15447		
447789.12	3764437.73	0.15432	447805.68
3764437.34	0.15439		
447824.02	3764437.20	0.15447	447841.61
3764437.87	0.15458		
447861.72	3764437.53	0.15488	447881.66
3764435.18	0.15541		
447902.78	3764436.19	0.15550	447920.87
3764435.35	0.15577		
447942.16	3764435.35	0.15597	447962.77
3764434.85	0.15621		
447980.70	3764435.18	0.15633	448004.66
3764435.18	0.15678		
448021.25	3764434.68	0.15776	447662.70
3764379.63	0.15990		
447681.30	3764320.98	0.16785	447682.64
3764285.79	0.17422		
447662.53	3764238.37	0.18277	447661.70
3764207.37	0.18898		
447683.14	3764162.29	0.19871	447680.97
3764145.87	0.20229		
447679.63	3764130.28	0.20585	447680.80
3764112.02	0.21007		
447681.47	3764096.43	0.21347	447680.80
3764078.84	0.21717		
447679.96	3764064.26	0.22006	447680.97
3764045.82	0.22376		
447680.63	3764029.74	0.22700	447657.17
3763992.03	0.23537		
447656.33	3763967.06	0.24080	447657.17
3763928.69	0.24995		
447657.17	3763902.21	0.25658	447657.51
3763869.03	0.26614		
447656.16	3763834.94	0.27567	447655.93
3763808.27	0.28327		
447657.09	3763786.00	0.28994	447701.21
3763782.14	0.29171		
447856.92	3763749.71	0.30997	447854.99
3763730.13	0.31749		
447854.35	3763698.35	0.33035	447855.31
3763676.84	0.33954		
447675.51	3763287.46	0.59473	448481.33
3763485.29	0.44645		

448479.95	3763195.53	0.66126	448478.56
3762907.16	0.90125		
448497.89	3762714.10	0.89355	448507.91
3762487.71	0.74036		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 125

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 2OR15 ***
 INCLUDING SOURCE(S): L0001178 , L0001179 ,
 L0001180 , L0001181 , L0001182 ,
 L0001183 , L0001184 , L0001185 , L0001186 , L0001187 ,
 L0001188 , L0001189 , L0001190 ,
 L0001191 , L0001192 , L0001193 , L0001194 , L0001195 ,
 L0001196 , L0001197 , L0001198 ,
 L0001199 , L0001200 , L0001201 , L0001202 , L0001203 ,
 L0001204 , L0001205 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	0.64849	448462.73	
3762339.82	0.64451			
448464.47	3762265.93	0.58020	448461.57	
3762165.17	0.50718			
448472.57	3762064.71	0.44374	448460.48	
3762016.72	0.42642			
448234.63	3761951.18	0.48845	448081.42	
3761952.78	0.57353			
448025.53	3761955.99	0.61241	447506.75	
3761967.63	1.18751			
447269.29	3761967.74	1.50739	447389.46	
3761908.79	1.17646			
447019.14	3761964.34	1.78957	447060.33	
3761963.58	1.73697			
446975.31	3761963.20	1.83868	446940.92	
3761953.76	1.83902			
446865.72	3761974.54	2.05586	446795.06	
3761957.91	2.08560			
446757.65	3761965.85	2.20468	446709.33	
3761967.74	2.32664			
446796.42	3762028.62	2.54511	446796.97	
3762045.28	2.67478			
446796.70	3762089.51	3.09415	446796.15	
3762105.89	3.26921			
446796.70	3762137.29	3.64204	446796.15	
3762153.39	3.86315			
446772.40	3762215.37	5.14426	446795.06	
3762321.03	9.46875			
446796.42	3762450.98	11.37334	446796.42	
3762471.18	8.55733			
446797.24	3762496.03	6.53767	446798.06	
3762516.51	5.46398			
446797.79	3762539.98	4.58883	446797.52	
3762560.19	4.03110			

446798.61	3762584.76	3.51437	446798.06
3762604.42	3.17996		
446799.70	3762654.11	2.54241	446799.97
3762674.58	2.29522		
446800.25	3762700.25	1.99685	446800.25
3762721.27	1.85832		
446799.97	3762735.74	1.77709	446797.79
3762748.02	1.71098		
446802.16	3762913.47	1.15643	446802.16
3762932.58	1.10917		
446802.43	3762949.24	1.07053	446802.98
3762967.26	1.03116		
446802.70	3762986.09	0.98138	446802.16
3763003.29	0.93765		
446802.16	3763021.86	0.88746	446802.70
3763040.70	0.85247		
446802.98	3763059.26	0.81996	446803.52
3763077.01	0.79144		
446756.29	3763085.26	0.78746	446807.68
3763646.39	0.31854		
446808.32	3763674.66	0.30808	446807.68
3763694.57	0.30076		
446808.32	3763710.63	0.29537	446808.32
3763726.37	0.29020		
446808.00	3763742.11	0.28536	446808.32
3763756.89	0.28093		
446808.64	3763798.32	0.26799	446810.25
3764484.08	0.14161		
446781.34	3764475.08	0.14216	446722.56
3764455.81	0.14367		
446170.32	3764559.79	0.12436	446872.29
3763190.26	0.63788		
446925.22	3763179.19	0.65760	446984.86
3763194.88	0.65113		
447010.56	3763193.28	0.65389	447036.58
3763193.60	0.65690		
447053.61	3763193.28	0.65907	447076.42
3763192.31	0.66198		
447093.45	3763192.63	0.66228	447122.05
3763192.63	0.66713		
447138.75	3763192.31	0.66990	447167.99
3763192.31	0.67362		
447170.68	3763172.18	0.69978	447170.41
3763158.25	0.71881		
447169.31	3763144.87	0.73638	447147.46
3763107.45	0.78401		

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 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 126

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 2OR15 ***
 INCLUDING SOURCE(S): L0001178 , L0001179 ,
 L0001180 , L0001181 , L0001182 ,
 L0001183 , L0001184 , L0001185 , L0001186 , L0001187 ,
 L0001188 , L0001189 , L0001190 ,
 L0001191 , L0001192 , L0001193 , L0001194 , L0001195 ,
 L0001196 , L0001197 , L0001198 ,
 L0001199 , L0001200 , L0001201 , L0001202 , L0001203 ,
 L0001204 , L0001205 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3

**

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.82085	447146.92	
3763064.30	0.85638			
447149.92	3763038.90	0.90711	447148.56	
3763019.78	0.94663			
447148.56	3762997.39	0.99814	447206.08	
3762958.49	1.11511			
447209.33	3762922.51	1.22645	447208.40	
3762890.70	1.33390			
447145.83	3762888.87	1.31841	447122.55	
3762889.07	1.30909			
447094.33	3762890.05	1.29488	447071.04	
3762890.45	1.28434			
447043.61	3762889.66	1.27627	447017.76	
3762888.87	1.26854			
446992.11	3762889.07	1.25734	446964.28	
3762888.28	1.24848			
446940.41	3762888.47	1.23980	446911.20	
3762888.08	1.25180			
446885.35	3762889.66	1.23460	446862.07	
3762888.87	1.22573			
446871.45	3762779.57	1.62980	446926.31	
3762768.72	1.73279			
446983.74	3762774.24	1.75667	447009.00	
3762774.05	1.78541			
447030.51	3762774.44	1.84278	447055.37	
3762774.05	1.88692			
447076.88	3762774.24	1.89348	447101.16	
3762774.44	1.89786			
447123.85	3762774.05	1.91906	447148.12	
3762775.03	1.90810			
447170.23	3762774.84	1.91813	447196.78	
3762775.48	1.93499			
447242.12	3762776.57	1.95532	447262.33	
3762776.03	1.98359			
447294.56	3762776.30	2.00434	447313.13	
3762775.48	2.01259			
447313.40	3762749.53	2.20024	447327.86	
3762713.09	2.51541			
447327.36	3762679.87	2.83349	447327.74	
3762657.02	3.11206			
447327.28	3762636.82	3.38939	447327.51	
3762612.90	3.77895			
447327.28	3762592.24	4.18274	447327.04	
3762569.71	4.71533			
447327.28	3762547.89	5.36527	447326.58	
3762524.67	6.27205			
447326.58	3762506.09	7.24620	447327.51	
3762477.53	9.52408			
447325.88	3762454.31	12.83148	447225.58	
3762432.95	18.62743			
447200.27	3762430.63	19.50442	447156.85	
3762430.16	19.54872			
447131.77	3762430.86	19.15281	447102.74	
3762430.63	19.13634			
447079.06	3762430.86	18.94928	447034.94	
3762433.65	17.73574			
446995.47	3762433.65	17.61496	446972.71	
3762434.34	17.30946			

446941.37	3762434.58	17.12405	446916.06
3762436.90	16.28873		
446876.35	3762436.90	16.09811	446848.85
3762647.05	2.73278		
446848.85	3762563.17	4.20739	446849.17
3762509.82	6.23317		
446849.17	3762455.82	11.51737	446848.85
3762702.00	2.05298		
446849.49	3762754.71	1.72570	446739.81
3762428.53	14.02401		
446711.81	3762423.61	13.34345	446687.25
3762416.25	13.28597		
446662.20	3762412.32	12.08891	446636.17
3762403.97	11.63679		
449981.72	3762732.45	0.28197	446486.82
3762231.95	19.13117		
446261.97	3762068.01	17.46242	446443.15
3762291.63	11.84301		
446071.80	3762055.49	16.12642	446072.08
3761983.13	14.43978		
446138.18	3762002.17	15.25309	445884.94
3762039.75	15.59594		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 127

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2OR30 ***

INCLUDING SOURCE(S): L0001701 , L0001702 ,
L0001703 , L0001704 , L0001705 ,
L0001706 , L0001707 , L0001708 , L0001709 , L0001710 ,
L0001711 , L0001712 , L0001713 ,
L0001714 , L0001715 , L0001716 , L0001717 , L0001718 ,
L0001719 , L0001720 , L0001721 ,
L0001722 , L0001723 , L0001724 , L0001725 , L0001726 ,
L0001727 , L0001728 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	0.17378	447375.98	
3764150.98	0.19785			
447389.75	3764043.04	0.22338	447450.16	
3764031.05	0.23116			
447410.18	3764019.05	0.23074	446891.90	
3764451.22	0.13613			
446959.28	3764451.22	0.13886	446995.28	
3764468.13	0.13827			
447007.41	3764467.30	0.13860	447023.51	
3764466.09	0.13929			
447036.59	3764466.21	0.13976	447052.68	
3764465.61	0.14027			
447066.60	3764465.73	0.14061	447099.65	
3764456.17	0.14262			
447145.28	3764468.27	0.14305	447175.54	
3764468.03	0.14488			

447205.32	3764468.27	0.14648	447232.43
3764467.55	0.14626		
447264.02	3764467.30	0.14495	447294.77
3764466.94	0.14498		
447364.97	3764456.41	0.14928	447406.61
3764460.65	0.15048		
447441.47	3764460.04	0.15147	447466.88
3764460.20	0.15237		
447490.00	3764460.56	0.15350	447515.50
3764460.40	0.15505		
447573.06	3764454.29	0.15945	447598.49
3764445.22	0.16092		
447652.90	3764439.70	0.16032	447692.92
3764439.51	0.16139		
447713.82	3764439.11	0.16184	447731.95
3764438.72	0.16203		
447751.07	3764438.72	0.16236	447768.82
3764437.53	0.16258		
447789.12	3764437.73	0.16241	447805.68
3764437.34	0.16255		
447824.02	3764437.20	0.16273	447841.61
3764437.87	0.16302		
447861.72	3764437.53	0.16357	447881.66
3764435.18	0.16438		
447902.78	3764436.19	0.16470	447920.87
3764435.35	0.16519		
447942.16	3764435.35	0.16564	447962.77
3764434.85	0.16615		
447980.70	3764435.18	0.16651	448004.66
3764435.18	0.16753		
448021.25	3764434.68	0.16956	447662.70
3764379.63	0.16682		
447681.30	3764320.98	0.17566	447682.64
3764285.79	0.18335		
447662.53	3764238.37	0.19321	447661.70
3764207.37	0.20074		
447683.14	3764162.29	0.21325	447680.97
3764145.87	0.21765		
447679.63	3764130.28	0.22211	447680.80
3764112.02	0.22740		
447681.47	3764096.43	0.23149	447680.80
3764078.84	0.23573		
447679.96	3764064.26	0.23884	447680.97
3764045.82	0.24282		
447680.63	3764029.74	0.24621	447657.17
3763992.03	0.25455		
447656.33	3763967.06	0.26008	447657.17
3763928.69	0.26978		
447657.17	3763902.21	0.27674	447657.51
3763869.03	0.28751		
447656.16	3763834.94	0.29745	447655.93
3763808.27	0.30517		
447657.09	3763786.00	0.31203	447701.21
3763782.14	0.31675		
447856.92	3763749.71	0.35265	447854.99
3763730.13	0.36210		
447854.35	3763698.35	0.37850	447855.31
3763676.84	0.39044		
447675.51	3763287.46	0.67878	448481.33
3763485.29	0.57251		
448479.95	3763195.53	1.03091	448478.56
3762907.16	2.50678		
448497.89	3762714.10	4.99458	448507.91
3762487.71	15.04863		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 2OR30 ***

INCLUDING SOURCE(S): L0001701 , L0001702 ,
 L0001703 , L0001704 , L0001705 ,
 L0001706 , L0001707 , L0001708 , L0001709 , L0001710 ,
 L0001711 , L0001712 , L0001713 ,
 L0001714 , L0001715 , L0001716 , L0001717 , L0001718 ,
 L0001719 , L0001720 , L0001721 ,
 L0001722 , L0001723 , L0001724 , L0001725 , L0001726 ,
 L0001727 , L0001728 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	15.23980	448462.73	
3762339.82	14.20723			
448464.47	3762265.93	7.34620	448461.57	
3762165.17	4.35034			
448472.57	3762064.71	2.91646	448460.48	
3762016.72	2.57637			
448234.63	3761951.18	2.87888	448081.42	
3761952.78	3.23280			
448025.53	3761955.99	3.32473	447506.75	
3761967.63	2.33780			
447269.29	3761967.74	1.48958	447389.46	
3761908.79	1.73560			
447019.14	3761964.34	0.92403	447060.33	
3761963.58	0.99322			
446975.31	3761963.20	0.85739	446940.92	
3761953.76	0.80823			
446865.72	3761974.54	0.72288	446795.06	
3761957.91	0.64937			
446757.65	3761965.85	0.61683	446709.33	
3761967.74	0.57772			
446796.42	3762028.62	0.65744	446796.97	
3762045.28	0.65928			
446796.70	3762089.51	0.66255	446796.15	
3762105.89	0.66279			
446796.70	3762137.29	0.66445	446796.15	
3762153.39	0.66427			
446772.40	3762215.37	0.64163	446795.06	
3762321.03	0.65844			
446796.42	3762450.98	0.64337	446796.42	
3762471.18	0.63972			
446797.24	3762496.03	0.63558	446798.06	
3762516.51	0.63195			
446797.79	3762539.98	0.62636	446797.52	
3762560.19	0.62129			
446798.61	3762584.76	0.61613	446798.06	
3762604.42	0.61050			
446799.70	3762654.11	0.59820	446799.97	
3762674.58	0.59254			
446800.25	3762700.25	0.58522	446800.25	
3762721.27	0.57903			

446799.97	3762735.74	0.57453	446797.79
3762748.02	0.56923		
446802.16	3762913.47	0.52103	446802.16
3762932.58	0.51493		
446802.43	3762949.24	0.50977	446802.98
3762967.26	0.50432		
446802.70	3762986.09	0.49811	446802.16
3763003.29	0.49226		
446802.16	3763021.86	0.48110	446802.70
3763040.70	0.47196		
446802.98	3763059.26	0.45993	446803.52
3763077.01	0.45026		
446756.29	3763085.26	0.44463	446807.68
3763646.39	0.24592		
446808.32	3763674.66	0.24055	446807.68
3763694.57	0.23652		
446808.32	3763710.63	0.23370	446808.32
3763726.37	0.23090		
446808.00	3763742.11	0.22827	446808.32
3763756.89	0.22588		
446808.64	3763798.32	0.21834	446810.25
3764484.08	0.12980		
446781.34	3764475.08	0.12936	446722.56
3764455.81	0.12872		
446170.32	3764559.79	0.10004	446872.29
3763190.26	0.38883		
446925.22	3763179.19	0.41136	446984.86
3763194.88	0.43075		
447010.56	3763193.28	0.43989	447036.58
3763193.60	0.45080		
447053.61	3763193.28	0.45809	447076.42
3763192.31	0.46788		
447093.45	3763192.63	0.47426	447122.05
3763192.63	0.48937		
447138.75	3763192.31	0.49829	447167.99
3763192.31	0.51370		
447170.68	3763172.18	0.52864	447170.41
3763158.25	0.53842		
447169.31	3763144.87	0.54607	447147.46
3763107.45	0.55381		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 129

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2OR30 ***

INCLUDING SOURCE(S): L0001701 , L0001702 ,
L0001703 , L0001704 , L0001705 ,
L0001706 , L0001707 , L0001708 , L0001709 , L0001710 ,
L0001711 , L0001712 , L0001713 ,
L0001714 , L0001715 , L0001716 , L0001717 , L0001718 ,
L0001719 , L0001720 , L0001721 ,
L0001722 , L0001723 , L0001724 , L0001725 , L0001726 ,
L0001727 , L0001728 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M)
(M) CONC

447146.64	3763084.24	0.56912	447146.92
3763064.30	0.58470		
447149.92	3763038.90	0.60851	447148.56
3763019.78	0.62347		
447148.56	3762997.39	0.67590	447206.08
3762958.49	0.80512		
447209.33	3762922.51	0.86176	447208.40
3762890.70	0.90471		
447145.83	3762888.87	0.82476	447122.55
3762889.07	0.79669		
447094.33	3762890.05	0.76385	447071.04
3762890.45	0.73847		
447043.61	3762889.66	0.71094	447017.76
3762888.87	0.68632		
446992.11	3762889.07	0.66252	446964.28
3762888.28	0.64086		
446940.41	3762888.47	0.62095	446911.20
3762888.08	0.60687		
446885.35	3762889.66	0.58629	446862.07
3762888.87	0.56949		
446871.45	3762779.57	0.61772	446926.31
3762768.72	0.67209		
446983.74	3762774.24	0.72913	447009.00
3762774.05	0.75807		
447030.51	3762774.44	0.78397	447055.37
3762774.05	0.81606		
447076.88	3762774.24	0.84498	447101.16
3762774.44	0.87938		
447123.85	3762774.05	0.91414	447148.12
3762775.03	0.95221		
447170.23	3762774.84	0.99006	447196.78
3762775.48	1.03765		
447242.12	3762776.57	1.12651	447262.33
3762776.03	1.17111		
447294.56	3762776.30	1.24556	447313.13
3762775.48	1.29304		
447313.40	3762749.53	1.34440	447327.86
3762713.09	1.46521		
447327.36	3762679.87	1.54013	447327.74
3762657.02	1.59528		
447327.28	3762636.82	1.64162	447327.51
3762612.90	1.70034		
447327.28	3762592.24	1.74868	447327.04
3762569.71	1.80079		
447327.28	3762547.89	1.85271	447326.58
3762524.67	1.90061		
447326.58	3762506.09	1.94024	447327.51
3762477.53	2.00329		
447325.88	3762454.31	2.03334	447225.58
3762432.95	1.51731		
447200.27	3762430.63	1.41945	447156.85
3762430.16	1.27295		
447131.77	3762430.86	1.19941	447102.74
3762430.63	1.12326		
447079.06	3762430.86	1.06680	447034.94
3762433.65	0.97331		
446995.47	3762433.65	0.90173	446972.71
3762434.34	0.86429		
446941.37	3762434.58	0.81720	446916.06
3762436.90	0.78171		
446876.35	3762436.90	0.73162	446848.85
3762647.05	0.64386		
446848.85	3762563.17	0.66960	446849.17
3762509.82	0.68428		

446849.17	3762455.82	0.69665	446848.85
3762702.00	0.62552		
446849.49	3762754.71	0.60605	446739.81
3762428.53	0.59568		
446711.81	3762423.61	0.57344	446687.25
3762416.25	0.55537		
446662.20	3762412.32	0.53754	446636.17
3762403.97	0.52042		
449981.72	3762732.45	0.81230	446486.82
3762231.95	0.44206		
446261.97	3762068.01	0.34875	446443.15
3762291.63	0.41891		
446071.80	3762055.49	0.29182	446072.08
3761983.13	0.29158		
446138.18	3762002.17	0.30972	445884.94
3762039.75	0.24943		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 130

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2OR60 ***

INCLUDING SOURCE(S): L0001821 , L0001822 ,
L0001823 , L0001824 , L0001825 ,
L0001826 , L0001827 , L0001828 , L0001829 , L0001830 ,
L0001831 , L0001832 , L0001833 ,
L0001834 , L0001835 , L0001836 , L0001837 , L0001838 ,
L0001839 , L0001840 , L0001841 ,
L0001842 , L0001843 , L0001844 , L0001845 , L0001846 ,
L0001847 , L0001848 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.13349	447375.98	
3764150.98	0.14694			
447389.75	3764043.04	0.16060	447450.16	
3764031.05	0.16695			
447410.18	3764019.05	0.16508	446891.90	
3764451.22	0.10291			
446959.28	3764451.22	0.10537	446995.28	
3764468.13	0.10556			
447007.41	3764467.30	0.10593	447023.51	
3764466.09	0.10658			
447036.59	3764466.21	0.10707	447052.68	
3764465.61	0.10763			
447066.60	3764465.73	0.10807	447099.65	
3764456.17	0.10981			
447145.28	3764468.27	0.11095	447175.54	
3764468.03	0.11266			
447205.32	3764468.27	0.11423	447232.43	
3764467.55	0.11465			
447264.02	3764467.30	0.11449	447294.77	
3764466.94	0.11515			
447364.97	3764456.41	0.11929	447406.61	
3764460.65	0.12095			

447441.47	3764460.04	0.12232	447466.88
3764460.20	0.12344		
447490.00	3764460.56	0.12467	447515.50
3764460.40	0.12623		
447573.06	3764454.29	0.13040	447598.49
3764445.22	0.13197		
447652.90	3764439.70	0.13292	447692.92
3764439.51	0.13467		
447713.82	3764439.11	0.13552	447731.95
3764438.72	0.13613		
447751.07	3764438.72	0.13687	447768.82
3764437.53	0.13749		
447789.12	3764437.73	0.13792	447805.68
3764437.34	0.13845		
447824.02	3764437.20	0.13906	447841.61
3764437.87	0.13972		
447861.72	3764437.53	0.14062	447881.66
3764435.18	0.14171		
447902.78	3764436.19	0.14245	447920.87
3764435.35	0.14324		
447942.16	3764435.35	0.14406	447962.77
3764434.85	0.14490		
447980.70	3764435.18	0.14555	448004.66
3764435.18	0.14680		
448021.25	3764434.68	0.14865	447662.70
3764379.63	0.13743		
447681.30	3764320.98	0.14369	447682.64
3764285.79	0.14865		
447662.53	3764238.37	0.15411	447661.70
3764207.37	0.15866		
447683.14	3764162.29	0.16696	447680.97
3764145.87	0.16946		
447679.63	3764130.28	0.17201	447680.80
3764112.02	0.17513		
447681.47	3764096.43	0.17750	447680.80
3764078.84	0.17987		
447679.96	3764064.26	0.18156	447680.97
3764045.82	0.18381		
447680.63	3764029.74	0.18564	447657.17
3763992.03	0.18889		
447656.33	3763967.06	0.19171	447657.17
3763928.69	0.19673		
447657.17	3763902.21	0.20023	447657.51
3763869.03	0.20564		
447656.16	3763834.94	0.21034	447655.93
3763808.27	0.21394		
447657.09	3763786.00	0.21720	447701.21
3763782.14	0.22274		
447856.92	3763749.71	0.25408	447854.99
3763730.13	0.25865		
447854.35	3763698.35	0.26664	447855.31
3763676.84	0.27247		
447675.51	3763287.46	0.34744	448481.33
3763485.29	0.47570		
448479.95	3763195.53	0.79136	448478.56
3762907.16	1.58564		
448497.89	3762714.10	2.96550	448507.91
3762487.71	11.93187		

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Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 2OR60 ***

INCLUDING SOURCE(S): L0001821 , L0001822 ,
L0001823 , L0001824 , L0001825 ,
L0001826 , L0001827 , L0001828 , L0001829 , L0001830 ,
L0001831 , L0001832 , L0001833 ,
L0001834 , L0001835 , L0001836 , L0001837 , L0001838 ,
L0001839 , L0001840 , L0001841 ,
L0001842 , L0001843 , L0001844 , L0001845 , L0001846 ,
L0001847 , L0001848 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	36.79263	448462.73	
3762339.82	22.09698			
448464.47	3762265.93	9.60054	448461.57	
3762165.17	5.34416			
448472.57	3762064.71	3.67879	448460.48	
3762016.72	3.10355			
448234.63	3761951.18	1.87503	448081.42	
3761952.78	1.40509			
448025.53	3761955.99	1.26312	447506.75	
3761967.63	0.54635			
447269.29	3761967.74	0.41217	447389.46	
3761908.79	0.46950			
447019.14	3761964.34	0.32053	447060.33	
3761963.58	0.33314			
446975.31	3761963.20	0.30792	446940.92	
3761953.76	0.29848			
446865.72	3761974.54	0.28002	446795.06	
3761957.91	0.26386			
446757.65	3761965.85	0.25603	446709.33	
3761967.74	0.24641			
446796.42	3762028.62	0.26457	446796.97	
3762045.28	0.26474			
446796.70	3762089.51	0.26484	446796.15	
3762105.89	0.26469			
446796.70	3762137.29	0.26469	446796.15	
3762153.39	0.26448			
446772.40	3762215.37	0.25889	446795.06	
3762321.03	0.26206			
446796.42	3762450.98	0.25895	446796.42	
3762471.18	0.25826			
446797.24	3762496.03	0.25754	446798.06	
3762516.51	0.25692			
446797.79	3762539.98	0.25592	446797.52	
3762560.19	0.25501			
446798.61	3762584.76	0.25416	446798.06	
3762604.42	0.25314			
446799.70	3762654.11	0.24960	446799.97	
3762674.58	0.24595			
446800.25	3762700.25	0.24338	446800.25	
3762721.27	0.24136			
446799.97	3762735.74	0.24037	446797.79	
3762748.02	0.23915			
446802.16	3762913.47	0.23024	446802.16	
3762932.58	0.22895			
446802.43	3762949.24	0.22786	446802.98	
3762967.26	0.22673			

446802.70	3762986.09	0.22534	446802.16
3763003.29	0.22248		
446802.16	3763021.86	0.22077	446802.70
3763040.70	0.21842		
446802.98	3763059.26	0.21620	446803.52
3763077.01	0.21371		
446756.29	3763085.26	0.20951	446807.68
3763646.39	0.15377		
446808.32	3763674.66	0.15169	446807.68
3763694.57	0.15008		
446808.32	3763710.63	0.14896	446808.32
3763726.37	0.14783		
446808.00	3763742.11	0.14675	446808.32
3763756.89	0.14577		
446808.64	3763798.32	0.14262	446810.25
3764484.08	0.09838		
446781.34	3764475.08	0.09784	446722.56
3764455.81	0.09697		
446170.32	3764559.79	0.07721	446872.29
3763190.26	0.20137		
446925.22	3763179.19	0.20955	446984.86
3763194.88	0.21714		
447010.56	3763193.28	0.22078	447036.58
3763193.60	0.22485		
447053.61	3763193.28	0.22757	447076.42
3763192.31	0.23126		
447093.45	3763192.63	0.23383	447122.05
3763192.63	0.23915		
447138.75	3763192.31	0.24231	447167.99
3763192.31	0.24787		
447170.68	3763172.18	0.25144	447170.41
3763158.25	0.25358		
447169.31	3763144.87	0.25517	447147.46
3763107.45	0.25533		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 132

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2OR60 ***

INCLUDING SOURCE(S): L0001821 , L0001822 ,
L0001823 , L0001824 , L0001825 ,
L0001826 , L0001827 , L0001828 , L0001829 , L0001830 ,
L0001831 , L0001832 , L0001833 ,
L0001834 , L0001835 , L0001836 , L0001837 , L0001838 ,
L0001839 , L0001840 , L0001841 ,
L0001842 , L0001843 , L0001844 , L0001845 , L0001846 ,
L0001847 , L0001848 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.25848	447146.92	
3763064.30	0.26165			
447149.92	3763038.90	0.26651	447148.56	
3763019.78	0.26924			

447148.56	3762997.39	0.27299	447206.08
3762958.49	0.30397		
447209.33	3762922.51	0.31618	447208.40
3762890.70	0.32167		
447145.83	3762888.87	0.30417	447122.55
3762889.07	0.29795		
447094.33	3762890.05	0.29006	447071.04
3762890.45	0.28426		
447043.61	3762889.66	0.27781	447017.76
3762888.87	0.27243		
446992.11	3762889.07	0.26670	446964.28
3762888.28	0.26079		
446940.41	3762888.47	0.25588	446911.20
3762888.08	0.25067		
446885.35	3762889.66	0.24551	446862.07
3762888.87	0.24118		
446871.45	3762779.57	0.25116	446926.31
3762768.72	0.26343		
446983.74	3762774.24	0.27590	447009.00
3762774.05	0.28262		
447030.51	3762774.44	0.28910	447055.37
3762774.05	0.29632		
447076.88	3762774.24	0.30201	447101.16
3762774.44	0.30749		
447123.85	3762774.05	0.31396	447148.12
3762775.03	0.32058		
447170.23	3762774.84	0.32665	447196.78
3762775.48	0.33558		
447242.12	3762776.57	0.35053	447262.33
3762776.03	0.35771		
447294.56	3762776.30	0.36993	447313.13
3762775.48	0.37713		
447313.40	3762749.53	0.38117	447327.86
3762713.09	0.39372		
447327.36	3762679.87	0.40457	447327.74
3762657.02	0.41029		
447327.28	3762636.82	0.41266	447327.51
3762612.90	0.41574		
447327.28	3762592.24	0.41809	447327.04
3762569.71	0.42056		
447327.28	3762547.89	0.42307	447326.58
3762524.67	0.42517		
447326.58	3762506.09	0.42701	447327.51
3762477.53	0.43015		
447325.88	3762454.31	0.43134	447225.58
3762432.95	0.38751		
447200.27	3762430.63	0.37740	447156.85
3762430.16	0.36084		
447131.77	3762430.86	0.35177	447102.74
3762430.63	0.34177		
447079.06	3762430.86	0.33393	447034.94
3762433.65	0.32002		
446995.47	3762433.65	0.30848	446972.71
3762434.34	0.30211		
446941.37	3762434.58	0.29372	446916.06
3762436.90	0.28714		
446876.35	3762436.90	0.27741	446848.85
3762647.05	0.26062		
446848.85	3762563.17	0.26586	446849.17
3762509.82	0.26830		
446849.17	3762455.82	0.27040	446848.85
3762702.00	0.25266		
446849.49	3762754.71	0.24837	446739.81
3762428.53	0.24800		
446711.81	3762423.61	0.24269	446687.25
3762416.25	0.23826		

446662.20	3762412.32	0.23379	446636.17
3762403.97	0.22939		
449981.72	3762732.45	2.37976	446486.82
3762231.95	0.20810		
446261.97	3762068.01	0.17950	446443.15
3762291.63	0.20117		
446071.80	3762055.49	0.15940	446072.08
3761983.13	0.15949		
446138.18	3762002.17	0.16609	445884.94
3762039.75	0.14304		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 133

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 3CIDLE ***

INCLUDING SOURCE(S): L0000104 , L0000105 ,
L0000106 , L0000107 , L0000108 ,
L0000109 , L0000110 , L0000111 , L0000112 , L0000113 ,
L0000114 , L0000115 , L0000116 ,
L0000117 , L0000118 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.43811	447375.98	
3764150.98	0.55101			
447389.75	3764043.04	0.69012	447450.16	
3764031.05	0.72015			
447410.18	3764019.05	0.72947	446891.90	
3764451.22	0.31189			
446959.28	3764451.22	0.31896	446995.28	
3764468.13	0.31483			
447007.41	3764467.30	0.31559	447023.51	
3764466.09	0.31754			
447036.59	3764466.21	0.31879	447052.68	
3764465.61	0.32012			
447066.60	3764465.73	0.32091	447099.65	
3764456.17	0.32744			
447145.28	3764468.27	0.32746	447175.54	
3764468.03	0.33324			
447205.32	3764468.27	0.33804	447232.43	
3764467.55	0.33617			
447264.02	3764467.30	0.33025	447294.77	
3764466.94	0.32879			
447364.97	3764456.41	0.33930	447406.61	
3764460.65	0.34021			
447441.47	3764460.04	0.34103	447466.88	
3764460.20	0.34241			
447490.00	3764460.56	0.34493	447515.50	
3764460.40	0.34896			
447573.06	3764454.29	0.36207	447598.49	
3764445.22	0.36686			
447652.90	3764439.70	0.36525	447692.92	
3764439.51	0.36916			
447713.82	3764439.11	0.37093	447731.95	

3764438.72	0.37189		
447751.07	3764438.72	0.37316	447768.82
3764437.53	0.37419		
447789.12	3764437.73	0.37397	447805.68
3764437.34	0.37453		
447824.02	3764437.20	0.37508	447841.61
3764437.87	0.37564		
447861.72	3764437.53	0.37686	447881.66
3764435.18	0.37890		
447902.78	3764436.19	0.37902	447920.87
3764435.35	0.37980		
447942.16	3764435.35	0.38015	447962.77
3764434.85	0.38062		
447980.70	3764435.18	0.38062	448004.66
3764435.18	0.38186		
448021.25	3764434.68	0.38579	447662.70
3764379.63	0.39142		
447681.30	3764320.98	0.42686	447682.64
3764285.79	0.45658		
447662.53	3764238.37	0.49729	447661.70
3764207.37	0.52931		
447683.14	3764162.29	0.58301	447680.97
3764145.87	0.60339		
447679.63	3764130.28	0.62428	447680.80
3764112.02	0.64941		
447681.47	3764096.43	0.66962	447680.80
3764078.84	0.69164		
447679.96	3764064.26	0.70874	447680.97
3764045.82	0.73081		
447680.63	3764029.74	0.75046	447657.17
3763992.03	0.80481		
447656.33	3763967.06	0.84029	447657.17
3763928.69	0.90338		
447657.17	3763902.21	0.95124	447657.51
3763869.03	1.02489		
447656.16	3763834.94	1.10144	447655.93
3763808.27	1.16526		
447657.09	3763786.00	1.22360	447701.21
3763782.14	1.23014		
447856.92	3763749.71	1.37914	447854.99
3763730.13	1.46567		
447854.35	3763698.35	1.60936	447855.31
3763676.84	1.72235		
447675.51	3763287.46	9.59762	448481.33
3763485.29	1.99832		
448479.95	3763195.53	1.88041	448478.56
3762907.16	1.15506		
448497.89	3762714.10	0.83430	448507.91
3762487.71	0.64252		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 134

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 3CIDLE ***

INCLUDING SOURCE(S): L0000104 , L0000105 ,
L0000106 , L0000107 , L0000108 ,
L0000109 , L0000110 , L0000111 , L0000112 , L0000113 ,
L0000114 , L0000115 , L0000116 ,
L0000117 , L0000118 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3

**

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	0.58509	448462.73	
3762339.82	0.58541			
448464.47	3762265.93	0.54719	448461.57	
3762165.17	0.50340			
448472.57	3762064.71	0.45887	448460.48	
3762016.72	0.44574			
448234.63	3761951.18	0.50244	448081.42	
3761952.78	0.56507			
448025.53	3761955.99	0.59042	447506.75	
3761967.63	0.79129			
447269.29	3761967.74	0.83654	447389.46	
3761908.79	0.75008			
447019.14	3761964.34	0.84131	447060.33	
3761963.58	0.84129			
446975.31	3761963.20	0.83724	446940.92	
3761953.76	0.82244			
446865.72	3761974.54	0.83717	446795.06	
3761957.91	0.80071			
446757.65	3761965.85	0.79721	446709.33	
3761967.74	0.78123			
446796.42	3762028.62	0.88109	446796.97	
3762045.28	0.90175			
446796.70	3762089.51	0.96105	446796.15	
3762105.89	0.98304			
446796.70	3762137.29	1.02786	446796.15	
3762153.39	1.05122			
446772.40	3762215.37	1.12822	446795.06	
3762321.03	1.33883			
446796.42	3762450.98	1.61562	446796.42	
3762471.18	1.66107			
446797.24	3762496.03	1.71975	446798.06	
3762516.51	1.76898			
446797.79	3762539.98	1.82058	446797.52	
3762560.19	1.86389			
446798.61	3762584.76	1.92118	446798.06	
3762604.42	1.96125			
446799.70	3762654.11	2.07089	446799.97	
3762674.58	2.11154			
446800.25	3762700.25	2.15932	446800.25	
3762721.27	2.19322			
446799.97	3762735.74	2.21302	446797.79	
3762748.02	2.21690			
446802.16	3762913.47	2.37342	446802.16	
3762932.58	2.37501			
446802.43	3762949.24	2.37587	446802.98	
3762967.26	2.37600			
446802.70	3762986.09	2.36723	446802.16	
3763003.29	2.35484			
446802.16	3763021.86	2.34270	446802.70	
3763040.70	2.33108			
446802.98	3763059.26	2.31451	446803.52	
3763077.01	2.29737			
446756.29	3763085.26	1.98717	446807.68	
3763646.39	1.11943			
446808.32	3763674.66	1.07251	446807.68	
3763694.57	1.03930			
446808.32	3763710.63	1.01500	446808.32	
3763726.37	0.98248			

446808.00	3763742.11	0.95915	446808.32
3763756.89	0.93856		
446808.64	3763798.32	0.85844	446810.25
3764484.08	0.29157		
446781.34	3764475.08	0.29134	446722.56
3764455.81	0.29165		
446170.32	3764559.79	0.20076	446872.29
3763190.26	2.59735		
446925.22	3763179.19	3.15566	446984.86
3763194.88	3.86533		
447010.56	3763193.28	4.30827	447036.58
3763193.60	4.82246		
447053.61	3763193.28	5.21675	447076.42
3763192.31	5.83327		
447093.45	3763192.63	6.34779	447122.05
3763192.63	7.39181		
447138.75	3763192.31	8.12832	447167.99
3763192.31	9.66937		
447170.68	3763172.18	10.75332	447170.41
3763158.25	11.38528		
447169.31	3763144.87	11.91263	447147.46
3763107.45	11.35616		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 135

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 3CIDLE ***

INCLUDING SOURCE(S): L0000104 , L0000105 ,
L0000106 , L0000107 , L0000108 ,
L0000109 , L0000110 , L0000111 , L0000112 , L0000113 ,
L0000114 , L0000115 , L0000116 ,
L0000117 , L0000118 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	11.90254	447146.92	
3763064.30	12.35930			
447149.92	3763038.90	13.05757	447148.56	
3763019.78	13.04810			
447148.56	3762997.39	13.03672	447206.08	
3762958.49	20.55586			
447209.33	3762922.51	18.38590	447208.40	
3762890.70	15.63487			
447145.83	3762888.87	10.59493	447122.55	
3762889.07	9.24811			
447094.33	3762890.05	7.90496	447071.04	
3762890.45	6.97995			
447043.61	3762889.66	6.06334	447017.76	
3762888.87	5.35059			
446992.11	3762889.07	4.76251	446964.28	
3762888.28	4.22387			
446940.41	3762888.47	3.83255	446911.20	
3762888.08	3.42235			
446885.35	3762889.66	3.11618	446862.07	

3762888.87	2.87301		
446871.45	3762779.57	2.80669	446926.31
3762768.72	3.31105		
446983.74	3762774.24	4.04614	447009.00
3762774.05	4.41764		
447030.51	3762774.44	4.76486	447055.37
3762774.05	5.19520		
447076.88	3762774.24	5.60644	447101.16
3762774.44	6.10532		
447123.85	3762774.05	6.57463	447148.12
3762775.03	7.12397		
447170.23	3762774.84	7.58875	447196.78
3762775.48	8.13525		
447242.12	3762776.57	8.89758	447262.33
3762776.03	9.07033		
447294.56	3762776.30	9.23438	447313.13
3762775.48	9.18279		
447313.40	3762749.53	7.80749	447327.86
3762713.09	6.32075		
447327.36	3762679.87	5.33472	447327.74
3762657.02	4.79397		
447327.28	3762636.82	4.38543	447327.51
3762612.90	3.96624		
447327.28	3762592.24	3.65703	447327.04
3762569.71	3.36161		
447327.28	3762547.89	3.10978	447326.58
3762524.67	2.87446		
447326.58	3762506.09	2.70542	447327.51
3762477.53	2.47214		
447325.88	3762454.31	2.30738	447225.58
3762432.95	2.20857		
447200.27	3762430.63	2.19404	447156.85
3762430.16	2.17913		
447131.77	3762430.86	2.17030	447102.74
3762430.63	2.14560		
447079.06	3762430.86	2.12140	447034.94
3762433.65	2.07816		
446995.47	3762433.65	2.01308	446972.71
3762434.34	1.97391		
446941.37	3762434.58	1.91299	446916.06
3762436.90	1.86726		
446876.35	3762436.90	1.77516	446848.85
3762647.05	2.31454		
446848.85	3762563.17	2.07360	446849.17
3762509.82	1.91872		
446849.17	3762455.82	1.76334	446848.85
3762702.00	2.45870		
446849.49	3762754.71	2.57828	446739.81
3762428.53	1.43658		
446711.81	3762423.61	1.36857	446687.25
3762416.25	1.30756		
446662.20	3762412.32	1.25380	446636.17
3762403.97	1.19612		
449981.72	3762732.45	0.26515	446486.82
3762231.95	0.84800		
446261.97	3762068.01	0.59461	446443.15
3762291.63	0.83817		
446071.80	3762055.49	0.48706	446072.08
3761983.13	0.47278		
446138.18	3762002.17	0.50849	445884.94
3762039.75	0.40424		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR

SOURCE GROUP: 3CON ***

INCLUDING SOURCE(S): L0000234 , L0000235 ,
 L0000236 , L0000237 , L0000238 ,
 L0000239 , L0000240 , L0000241 , L0000242 , L0000243 ,
 L0000244 , L0000245 , L0000246 ,
 L0000247 , L0000248 , L0000249 , L0000250 , L0000251 ,
 L0000252 , L0000253 , L0000254 ,
 L0000255 , L0000256 , L0000257 , L0000258 , L0000259 ,
 L0000260 , L0000261 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.45238	447375.98	
3764150.98	0.57363			
447389.75	3764043.04	0.72429	447450.16	
3764031.05	0.76028			
447410.18	3764019.05	0.76853	446891.90	
3764451.22	0.31405			
446959.28	3764451.22	0.32222	446995.28	
3764468.13	0.31850			
447007.41	3764467.30	0.31941	447023.51	
3764466.09	0.32155			
447036.59	3764466.21	0.32296	447052.68	
3764465.61	0.32444			
447066.60	3764465.73	0.32536	447099.65	
3764456.17	0.33229			
447145.28	3764468.27	0.33258	447175.54	
3764468.03	0.33878			
447205.32	3764468.27	0.34405	447232.43	
3764467.55	0.34241			
447264.02	3764467.30	0.33671	447294.77	
3764466.94	0.33582			
447364.97	3764456.41	0.34830	447406.61	
3764460.65	0.35006			
447441.47	3764460.04	0.35148	447466.88	
3764460.20	0.35314			
447490.00	3764460.56	0.35584	447515.50	
3764460.40	0.35999			
447573.06	3764454.29	0.37335	447598.49	
3764445.22	0.37805			
447652.90	3764439.70	0.37523	447692.92	
3764439.51	0.37878			
447713.82	3764439.11	0.38042	447731.95	
3764438.72	0.38128			
447751.07	3764438.72	0.38257	447768.82	
3764437.53	0.38364			
447789.12	3764437.73	0.38346	447805.68	
3764437.34	0.38418			
447824.02	3764437.20	0.38498	447841.61	
3764437.87	0.38586			
447861.72	3764437.53	0.38754	447881.66	
3764435.18	0.39012			
447902.78	3764436.19	0.39068	447920.87	
3764435.35	0.39189			
447942.16	3764435.35	0.39269	447962.77	

3764434.85	0.39358		
447980.70	3764435.18	0.39389	448004.66
3764435.18	0.39556		
448021.25	3764434.68	0.39994	447662.70
3764379.63	0.40254		
447681.30	3764320.98	0.43987	447682.64
3764285.79	0.47195		
447662.53	3764238.37	0.51647	447661.70
3764207.37	0.55159		
447683.14	3764162.29	0.61069	447680.97
3764145.87	0.63316		
447679.63	3764130.28	0.65625	447680.80
3764112.02	0.68413		
447681.47	3764096.43	0.70665	447680.80
3764078.84	0.73126		
447679.96	3764064.26	0.75043	447680.97
3764045.82	0.77530		
447680.63	3764029.74	0.79751	447657.17
3763992.03	0.85892		
447656.33	3763967.06	0.89953	447657.17
3763928.69	0.97246		
447657.17	3763902.21	1.02836	447657.51
3763869.03	1.11526		
447656.16	3763834.94	1.20689	447655.93
3763808.27	1.28446		
447657.09	3763786.00	1.35637	447701.21
3763782.14	1.36927		
447856.92	3763749.71	1.59352	447854.99
3763730.13	1.68776		
447854.35	3763698.35	1.85956	447855.31
3763676.84	1.99189		
447675.51	3763287.46	18.57327	448481.33
3763485.29	2.11274		
448479.95	3763195.53	1.98563	448478.56
3762907.16	1.28404		
448497.89	3762714.10	0.91059	448507.91
3762487.71	0.68597		

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 *** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 137

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 3CON ***

INCLUDING SOURCE(S): L0000234 , L0000235 ,
 L0000236 , L0000237 , L0000238 ,
 L0000239 , L0000240 , L0000241 , L0000242 , L0000243 ,
 L0000244 , L0000245 , L0000246 ,
 L0000247 , L0000248 , L0000249 , L0000250 , L0000251 ,
 L0000252 , L0000253 , L0000254 ,
 L0000255 , L0000256 , L0000257 , L0000258 , L0000259 ,
 L0000260 , L0000261 , . . .


*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	0.62077	448462.73	

3762339.82	0.62089		
448464.47	3762265.93	0.57810	448461.57
3762165.17	0.52926		
448472.57	3762064.71	0.48015	448460.48
3762016.72	0.46551		
448234.63	3761951.18	0.52324	448081.42
3761952.78	0.58711		
448025.53	3761955.99	0.61270	447506.75
3761967.63	0.80588		
447269.29	3761967.74	0.84256	447389.46
3761908.79	0.75810		
447019.14	3761964.34	0.83268	447060.33
3761963.58	0.83604		
446975.31	3761963.20	0.82478	446940.92
3761953.76	0.80741		
446865.72	3761974.54	0.81335	446795.06
3761957.91	0.77265		
446757.65	3761965.85	0.76571	446709.33
3761967.74	0.74673		
446796.42	3762028.62	0.84488	446796.97
3762045.28	0.86329		
446796.70	3762089.51	0.91549	446796.15
3762105.89	0.93458		
446796.70	3762137.29	0.97349	446796.15
3762153.39	0.99346		
446772.40	3762215.37	1.05393	446795.06
3762321.03	1.23208		
446796.42	3762450.98	1.44962	446796.42
3762471.18	1.48428		
446797.24	3762496.03	1.52902	446798.06
3762516.51	1.56635		
446797.79	3762539.98	1.60474	446797.52
3762560.19	1.63678		
446798.61	3762584.76	1.67964	446798.06
3762604.42	1.70900		
446799.70	3762654.11	1.79062	446799.97
3762674.58	1.82079		
446800.25	3762700.25	1.85637	446800.25
3762721.27	1.88170		
446799.97	3762735.74	1.89650	446797.79
3762748.02	1.89895		
446802.16	3762913.47	2.01880	446802.16
3762932.58	2.01987		
446802.43	3762949.24	2.02048	446802.98
3762967.26	2.02067		
446802.70	3762986.09	2.01413	446802.16
3763003.29	2.00500		
446802.16	3763021.86	1.99645	446802.70
3763040.70	1.98873		
446802.98	3763059.26	1.97750	446803.52
3763077.01	1.96619		
446756.29	3763085.26	1.72058	446807.68
3763646.39	1.02199		
446808.32	3763674.66	0.98082	446807.68
3763694.57	0.94906		
446808.32	3763710.63	0.92700	446808.32
3763726.37	0.90649		
446808.00	3763742.11	0.88647	446808.32
3763756.89	0.86876		
446808.64	3763798.32	0.81482	446810.25
3764484.08	0.29242		
446781.34	3764475.08	0.29167	446722.56
3764455.81	0.29087		
446170.32	3764559.79	0.19773	446872.29
3763190.26	2.23482		
446925.22	3763179.19	2.67647	446984.86

3763194.88	3.25377		
447010.56	3763193.28	3.60588	447036.58
3763193.60	4.01703		
447053.61	3763193.28	4.33249	447076.42
3763192.31	4.82727		
447093.45	3763192.63	5.24911	447122.05
3763192.63	6.11459		
447138.75	3763192.31	6.73990	447167.99
3763192.31	8.11669		
447170.68	3763172.18	8.72407	447170.41
3763158.25	9.00340		
447169.31	3763144.87	9.19717	447147.46
3763107.45	8.39221		

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 138

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 3CON ***
 INCLUDING SOURCE(S): L0000234 , L0000235 ,
 L0000236 , L0000237 , L0000238 ,
 L0000239 , L0000240 , L0000241 , L0000242 , L0000243 ,
 L0000244 , L0000245 , L0000246 ,
 L0000247 , L0000248 , L0000249 , L0000250 , L0000251 ,
 L0000252 , L0000253 , L0000254 ,
 L0000255 , L0000256 , L0000257 , L0000258 , L0000259 ,
 L0000260 , L0000261 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **


X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	8.57725	447146.92	
3763064.30	8.74094			
447149.92	3763038.90	9.03825	447148.56	
3763019.78	8.98108			
447148.56	3762997.39	8.94878	447206.08	
3762958.49	13.32763			
447209.33	3762922.51	12.79601	447208.40	
3762890.70	11.67996			
447145.83	3762888.87	7.78698	447122.55	
3762889.07	6.85395			
447094.33	3762890.05	5.93995	447071.04	
3762890.45	5.31388			
447043.61	3762889.66	4.68985	447017.76	
3762888.87	4.19774			
446992.11	3762889.07	3.78519	446964.28	
3762888.28	3.40122			
446940.41	3762888.47	3.11782	446911.20	
3762888.08	2.81621			
446885.35	3762889.66	2.58753	446862.07	
3762888.87	2.40369			
446871.45	3762779.57	2.35716	446926.31	
3762768.72	2.74637			
446983.74	3762774.24	3.30690	447009.00	
3762774.05	3.59362			
447030.51	3762774.44	3.86487	447055.37	

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.19383	447375.98	
3764150.98	0.22414			
447389.75	3764043.04	0.25527	447450.16	
3764031.05	0.26202			
447410.18	3764019.05	0.26356	446891.90	
3764451.22	0.15789			
446959.28	3764451.22	0.15786	446995.28	
3764468.13	0.15523			
447007.41	3764467.30	0.15510	447023.51	
3764466.09	0.15529			
447036.59	3764466.21	0.15536	447052.68	
3764465.61	0.15538			
447066.60	3764465.73	0.15531	447099.65	
3764456.17	0.15682			
447145.28	3764468.27	0.15629	447175.54	
3764468.03	0.15808			
447205.32	3764468.27	0.15970	447232.43	
3764467.55	0.15932			
447264.02	3764467.30	0.15788	447294.77	
3764466.94	0.15819			
447364.97	3764456.41	0.16401	447406.61	
3764460.65	0.16582			
447441.47	3764460.04	0.16737	447466.88	
3764460.20	0.16859			
447490.00	3764460.56	0.16991	447515.50	
3764460.40	0.17155			
447573.06	3764454.29	0.17578	447598.49	
3764445.22	0.17732			
447652.90	3764439.70	0.17667	447692.92	
3764439.51	0.17709			
447713.82	3764439.11	0.17718	447731.95	
3764438.72	0.17709			
447751.07	3764438.72	0.17706	447768.82	
3764437.53	0.17700			
447789.12	3764437.73	0.17654	447805.68	
3764437.34	0.17642			
447824.02	3764437.20	0.17630	447841.61	
3764437.87	0.17625			
447861.72	3764437.53	0.17641	447881.66	
3764435.18	0.17687			
447902.78	3764436.19	0.17682	447920.87	
3764435.35	0.17702			
447942.16	3764435.35	0.17714	447962.77	
3764434.85	0.17733			
447980.70	3764435.18	0.17741	448004.66	
3764435.18	0.17793			
448021.25	3764434.68	0.17925	447662.70	
3764379.63	0.18414			
447681.30	3764320.98	0.19338	447682.64	
3764285.79	0.20113			
447662.53	3764238.37	0.21176	447661.70	
3764207.37	0.21940			
447683.14	3764162.29	0.23116	447680.97	
3764145.87	0.23562			
447679.63	3764130.28	0.24007	447680.80	
3764112.02	0.24529			

447681.47	3764096.43	0.24945	447680.80
3764078.84	0.25393		
447679.96	3764064.26	0.25737	447680.97
3764045.82	0.26171		
447680.63	3764029.74	0.26552	447657.17
3763992.03	0.27590		
447656.33	3763967.06	0.28226	447657.17
3763928.69	0.29305		
447657.17	3763902.21	0.30087	447657.51
3763869.03	0.31242		
447656.16	3763834.94	0.32371	447655.93
3763808.27	0.33260		
447657.09	3763786.00	0.34037	447701.21
3763782.14	0.34124		
447856.92	3763749.71	0.35686	447854.99
3763730.13	0.36537		
447854.35	3763698.35	0.37975	447855.31
3763676.84	0.38994		
447675.51	3763287.46	0.71037	448481.33
3763485.29	0.54081		
448479.95	3763195.53	0.91059	448478.56
3762907.16	1.27326		
448497.89	3762714.10	1.27665	448507.91
3762487.71	0.96779		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 140

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 4BBREAT ***
 INCLUDING SOURCE(S) : 4BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
448480.49	3762357.96	0.85486	448462.73	
3762339.82	0.85095			
448464.47	3762265.93	0.76697	448461.57	
3762165.17	0.66947			
448472.57	3762064.71	0.58331	448460.48	
3762016.72	0.55811			
448234.63	3761951.18	0.64087	448081.42	
3761952.78	0.75151			
448025.53	3761955.99	0.80215	447506.75	
3761967.63	1.68052			
447269.29	3761967.74	2.70151	447389.46	
3761908.79	1.87119			
447019.14	3761964.34	4.57742	447060.33	
3761963.58	4.23226			
446975.31	3761963.20	4.87412	446940.92	
3761953.76	4.87653			
446865.72	3761974.54	5.74088	446795.06	
3761957.91	5.38619			
446757.65	3761965.85	5.52017	446709.33	
3761967.74	5.33869			
446796.42	3762028.62	7.72677	446796.97	

3762045.28	8.51098		
446796.70	3762089.51	11.34189	446796.15
3762105.89	12.71730		
446796.70	3762137.29	16.16989	446796.15
3762153.39	18.43701		
446772.40	3762215.37	27.12972	446795.06
3762321.03	59.06190		
446796.42	3762450.98	20.51253	446796.42
3762471.18	16.99648		
446797.24	3762496.03	13.77641	446798.06
3762516.51	11.74333		
446797.79	3762539.98	9.87981	446797.52
3762560.19	8.61185		
446798.61	3762584.76	7.40223	446798.06
3762604.42	6.58592		
446799.70	3762654.11	5.07332	446799.97
3762674.58	3.90190		
446800.25	3762700.25	3.42165	446800.25
3762721.27	3.11990		
446799.97	3762735.74	2.94209	446797.79
3762748.02	2.79733		
446802.16	3762913.47	1.64737	446802.16
3762932.58	1.56249		
446802.43	3762949.24	1.49431	446802.98
3762967.26	1.42600		
446802.70	3762986.09	1.35539	446802.16
3763003.29	1.29146		
446802.16	3763021.86	1.22763	446802.70
3763040.70	1.16734		
446802.98	3763059.26	1.11220	446803.52
3763077.01	1.06508		
446756.29	3763085.26	1.04119	446807.68
3763646.39	0.37396		
446808.32	3763674.66	0.36062	446807.68
3763694.57	0.35124		
446808.32	3763710.63	0.34442	446808.32
3763726.37	0.33790		
446808.00	3763742.11	0.33185	446808.32
3763756.89	0.32631		
446808.64	3763798.32	0.30982	446810.25
3764484.08	0.15333		
446781.34	3764475.08	0.15416	446722.56
3764455.81	0.15594		
446170.32	3764559.79	0.12940	446872.29
3763190.26	0.81580		
446925.22	3763179.19	0.84313	446984.86
3763194.88	0.83442		
447010.56	3763193.28	0.83753	447036.58
3763193.60	0.84311		
447053.61	3763193.28	0.84711	447076.42
3763192.31	0.85244		
447093.45	3763192.63	0.85338	447122.05
3763192.63	0.86316		
447138.75	3763192.31	0.86836	447167.99
3763192.31	0.87502		
447170.68	3763172.18	0.91499	447170.41
3763158.25	0.94438		
447169.31	3763144.87	0.97125	447147.46
3763107.45	1.04461		


 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***

*** 09:18:50

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 4BBREAT ***
 INCLUDING SOURCE(S) : 4BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)
447146.64	3763084.24	1.10317	447146.92	
3763064.30	1.16070			
447149.92	3763038.90	1.24396	447148.56	
3763019.78	1.30968			
447148.56	3762997.39	1.39639	447206.08	
3762958.49	1.56995			
447209.33	3762922.51	1.75038	447208.40	
3762890.70	1.92685			
447145.83	3762888.87	1.95058	447122.55	
3762889.07	1.95057			
447094.33	3762890.05	1.94179	447071.04	
3762890.45	1.93351			
447043.61	3762889.66	1.92873	447017.76	
3762888.87	1.92130			
446992.11	3762889.07	1.90496	446964.28	
3762888.28	1.89215			
446940.41	3762888.47	1.87931	446911.20	
3762888.08	1.87050			
446885.35	3762889.66	1.83868	446862.07	
3762888.87	1.82158			
446871.45	3762779.57	2.64883	446926.31	
3762768.72	2.85819			
446983.74	3762774.24	2.87328	447009.00	
3762774.05	2.90512			
447030.51	3762774.44	2.94008	447055.37	
3762774.05	2.96743			
447076.88	3762774.24	2.96344	447101.16	
3762774.44	2.94066			
447123.85	3762774.05	2.93802	447148.12	
3762775.03	2.90861			
447170.23	3762774.84	2.89674	447196.78	
3762775.48	2.88462			
447242.12	3762776.57	2.86666	447262.33	
3762776.03	2.87745			
447294.56	3762776.30	2.88960	447313.13	
3762775.48	2.90660			
447313.40	3762749.53	3.25320	447327.86	
3762713.09	3.88680			
447327.36	3762679.87	4.63920	447327.74	
3762657.02	5.14393			
447327.28	3762636.82	5.64028	447327.51	
3762612.90	6.27675			
447327.28	3762592.24	6.86194	447327.04	
3762569.71	7.52023			
447327.28	3762547.89	8.14524	447326.58	
3762524.67	8.78776			
447326.58	3762506.09	9.23222	447327.51	
3762477.53	9.72590			
447325.88	3762454.31	10.01721	447225.58	
3762432.95	15.44278			
447200.27	3762430.63	17.47671	447156.85	
3762430.16	21.76810			

447131.77	3762430.86	24.75046	447102.74
3762430.63	28.87671		
447079.06	3762430.86	32.60851	447034.94
3762433.65	38.89965		
446995.47	3762433.65	43.66901	446972.71
3762434.34	44.28991		
446941.37	3762434.58	43.90535	446916.06
3762436.90	41.70531		
446876.35	3762436.90	38.68859	446848.85
3762647.05	5.64375		
446848.85	3762563.17	9.50616	446849.17
3762509.82	14.69799		
446849.17	3762455.82	26.36955	446848.85
3762702.00	3.59001		
446849.49	3762754.71	2.85962	446739.81
3762428.53	15.87435		
446711.81	3762423.61	13.06416	446687.25
3762416.25	11.21334		
446662.20	3762412.32	9.52470	446636.17
3762403.97	8.21449		
449981.72	3762732.45	0.34448	446486.82
3762231.95	4.23782		
446261.97	3762068.01	1.90689	446443.15
3762291.63	3.50199		
446071.80	3762055.49	1.22121	446072.08
3761983.13	1.20399		
446138.18	3762002.17	1.39059	445884.94
3762039.75	0.86238		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 142

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 4BLOAD ***
INCLUDING SOURCE(S): 4BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	0.19383	447375.98	
3764150.98	0.22414			
447389.75	3764043.04	0.25527	447450.16	
3764031.05	0.26202			
447410.18	3764019.05	0.26356	446891.90	
3764451.22	0.15789			
446959.28	3764451.22	0.15786	446995.28	
3764468.13	0.15523			
447007.41	3764467.30	0.15510	447023.51	
3764466.09	0.15529			
447036.59	3764466.21	0.15536	447052.68	
3764465.61	0.15538			
447066.60	3764465.73	0.15531	447099.65	
3764456.17	0.15682			
447145.28	3764468.27	0.15629	447175.54	
3764468.03	0.15808			
447205.32	3764468.27	0.15970	447232.43	

3764467.55	0.15932		
447264.02	3764467.30	0.15788	447294.77
3764466.94	0.15819		
447364.97	3764456.41	0.16401	447406.61
3764460.65	0.16582		
447441.47	3764460.04	0.16737	447466.88
3764460.20	0.16859		
447490.00	3764460.56	0.16991	447515.50
3764460.40	0.17155		
447573.06	3764454.29	0.17578	447598.49
3764445.22	0.17732		
447652.90	3764439.70	0.17667	447692.92
3764439.51	0.17709		
447713.82	3764439.11	0.17718	447731.95
3764438.72	0.17709		
447751.07	3764438.72	0.17706	447768.82
3764437.53	0.17700		
447789.12	3764437.73	0.17655	447805.68
3764437.34	0.17642		
447824.02	3764437.20	0.17630	447841.61
3764437.87	0.17625		
447861.72	3764437.53	0.17641	447881.66
3764435.18	0.17687		
447902.78	3764436.19	0.17682	447920.87
3764435.35	0.17702		
447942.16	3764435.35	0.17714	447962.77
3764434.85	0.17733		
447980.70	3764435.18	0.17741	448004.66
3764435.18	0.17793		
448021.25	3764434.68	0.17925	447662.70
3764379.63	0.18414		
447681.30	3764320.98	0.19338	447682.64
3764285.79	0.20113		
447662.53	3764238.37	0.21176	447661.70
3764207.37	0.21940		
447683.14	3764162.29	0.23116	447680.97
3764145.87	0.23562		
447679.63	3764130.28	0.24008	447680.80
3764112.02	0.24530		
447681.47	3764096.43	0.24945	447680.80
3764078.84	0.25393		
447679.96	3764064.26	0.25737	447680.97
3764045.82	0.26172		
447680.63	3764029.74	0.26552	447657.17
3763992.03	0.27590		
447656.33	3763967.06	0.28226	447657.17
3763928.69	0.29305		
447657.17	3763902.21	0.30087	447657.51
3763869.03	0.31242		
447656.16	3763834.94	0.32371	447655.93
3763808.27	0.33260		
447657.09	3763786.00	0.34037	447701.21
3763782.14	0.34124		
447856.92	3763749.71	0.35686	447854.99
3763730.13	0.36538		
447854.35	3763698.35	0.37975	447855.31
3763676.84	0.38994		
447675.51	3763287.46	0.71037	448481.33
3763485.29	0.54081		
448479.95	3763195.53	0.91060	448478.56
3762907.16	1.27327		
448497.89	3762714.10	1.27665	448507.91
3762487.71	0.96779		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 4BLOAD ***
INCLUDING SOURCE(S): 4BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF OTHER MICROGRAMS/M**3	IN		
X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD
448480.49	3762357.96	0.85486		448462.73	
3762339.82	0.85096				
448464.47	3762265.93	0.76697		448461.57	
3762165.17	0.66947				
448472.57	3762064.71	0.58331		448460.48	
3762016.72	0.55811				
448234.63	3761951.18	0.64087		448081.42	
3761952.78	0.75151				
448025.53	3761955.99	0.80215		447506.75	
3761967.63	1.68054				
447269.29	3761967.74	2.70153		447389.46	
3761908.79	1.87120				
447019.14	3761964.34	4.57745		447060.33	
3761963.58	4.23230				
446975.31	3761963.20	4.87416		446940.92	
3761953.76	4.87656				
446865.72	3761974.54	5.74092		446795.06	
3761957.91	5.38623				
446757.65	3761965.85	5.52020		446709.33	
3761967.74	5.33872				
446796.42	3762028.62	7.72682		446796.97	
3762045.28	8.51104				
446796.70	3762089.51	11.34198		446796.15	
3762105.89	12.71741				
446796.70	3762137.29	16.17002		446796.15	
3762153.39	18.43714				
446772.40	3762215.37	27.12992		446795.06	
3762321.03	59.06188				
446796.42	3762450.98	20.51307		446796.42	
3762471.18	16.99692				
446797.24	3762496.03	13.77676		446798.06	
3762516.51	11.74362				
446797.79	3762539.98	9.88004		446797.52	
3762560.19	8.61205				
446798.61	3762584.76	7.40239		446798.06	
3762604.42	6.58605				
446799.70	3762654.11	5.07341		446799.97	
3762674.58	3.90194				
446800.25	3762700.25	3.42168		446800.25	
3762721.27	3.11993				
446799.97	3762735.74	2.94211		446797.79	
3762748.02	2.79735				
446802.16	3762913.47	1.64737		446802.16	
3762932.58	1.56250				
446802.43	3762949.24	1.49432		446802.98	
3762967.26	1.42600				
446802.70	3762986.09	1.35539		446802.16	
3763003.29	1.29147				

446802.16	3763021.86	1.22764	446802.70
3763040.70	1.16734		
446802.98	3763059.26	1.11220	446803.52
3763077.01	1.06508		
446756.29	3763085.26	1.04119	446807.68
3763646.39	0.37396		
446808.32	3763674.66	0.36062	446807.68
3763694.57	0.35124		
446808.32	3763710.63	0.34442	446808.32
3763726.37	0.33790		
446808.00	3763742.11	0.33185	446808.32
3763756.89	0.32631		
446808.64	3763798.32	0.30982	446810.25
3764484.08	0.15333		
446781.34	3764475.08	0.15415	446722.56
3764455.81	0.15594		
446170.32	3764559.79	0.12940	446872.29
3763190.26	0.81580		
446925.22	3763179.19	0.84313	446984.86
3763194.88	0.83443		
447010.56	3763193.28	0.83754	447036.58
3763193.60	0.84312		
447053.61	3763193.28	0.84712	447076.42
3763192.31	0.85244		
447093.45	3763192.63	0.85339	447122.05
3763192.63	0.86317		
447138.75	3763192.31	0.86837	447167.99
3763192.31	0.87503		
447170.68	3763172.18	0.91500	447170.41
3763158.25	0.94439		
447169.31	3763144.87	0.97126	447147.46
3763107.45	1.04462		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 144

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 4BLOAD ***
INCLUDING SOURCE(S): 4BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447146.64	3763084.24	1.10318	447146.92	
3763064.30	1.16071			
447149.92	3763038.90	1.24397	447148.56	
3763019.78	1.30970			
447148.56	3762997.39	1.39641	447206.08	
3762958.49	1.56997			
447209.33	3762922.51	1.75040	447208.40	
3762890.70	1.92688			
447145.83	3762888.87	1.95061	447122.55	
3762889.07	1.95060			
447094.33	3762890.05	1.94182	447071.04	
3762890.45	1.93354			
447043.61	3762889.66	1.92875	447017.76	

3762888.87	1.92133		
446992.11	3762889.07	1.90498	446964.28
3762888.28	1.89217		
446940.41	3762888.47	1.87933	446911.20
3762888.08	1.87052		
446885.35	3762889.66	1.83869	446862.07
3762888.87	1.82159		
446871.45	3762779.57	2.64886	446926.31
3762768.72	2.85823		
446983.74	3762774.24	2.87333	447009.00
3762774.05	2.90517		
447030.51	3762774.44	2.94013	447055.37
3762774.05	2.96748		
447076.88	3762774.24	2.96349	447101.16
3762774.44	2.94072		
447123.85	3762774.05	2.93808	447148.12
3762775.03	2.90867		
447170.23	3762774.84	2.89680	447196.78
3762775.48	2.88468		
447242.12	3762776.57	2.86671	447262.33
3762776.03	2.87750		
447294.56	3762776.30	2.88965	447313.13
3762775.48	2.90665		
447313.40	3762749.53	3.25326	447327.86
3762713.09	3.88686		
447327.36	3762679.87	4.63929	447327.74
3762657.02	5.14402		
447327.28	3762636.82	5.64037	447327.51
3762612.90	6.27685		
447327.28	3762592.24	6.86205	447327.04
3762569.71	7.52034		
447327.28	3762547.89	8.14535	447326.58
3762524.67	8.78787		
447326.58	3762506.09	9.23234	447327.51
3762477.53	9.72602		
447325.88	3762454.31	10.01734	447225.58
3762432.95	15.44301		
447200.27	3762430.63	17.47699	447156.85
3762430.16	21.76847		
447131.77	3762430.86	24.75091	447102.74
3762430.63	28.87728		
447079.06	3762430.86	32.60920	447034.94
3762433.65	38.90062		
446995.47	3762433.65	43.67029	446972.71
3762434.34	44.29133		
446941.37	3762434.58	43.90683	446916.06
3762436.90	41.70665		
446876.35	3762436.90	38.68959	446848.85
3762647.05	5.64387		
446848.85	3762563.17	9.50640	446849.17
3762509.82	14.69839		
446849.17	3762455.82	26.37025	446848.85
3762702.00	3.59005		
446849.49	3762754.71	2.85965	446739.81
3762428.53	15.87478		
446711.81	3762423.61	13.06451	446687.25
3762416.25	11.21363		
446662.20	3762412.32	9.52493	446636.17
3762403.97	8.21467		
449981.72	3762732.45	0.34448	446486.82
3762231.95	4.23787		
446261.97	3762068.01	1.90690	446443.15
3762291.63	3.50203		
446071.80	3762055.49	1.22122	446072.08
3761983.13	1.20400		
446138.18	3762002.17	1.39060	445884.94

3762039.75 0.86238

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22 *** AERMET - VERSION 16216 *** *** 09:18:50

PAGE 145

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 4BREF *** INCLUDING SOURCE(S): 4BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.20391	447375.98	
3764150.98	0.23735			
447389.75	3764043.04	0.27150	447450.16	
3764031.05	0.27801			
447410.18	3764019.05	0.28031	446891.90	
3764451.22	0.16595			
446959.28	3764451.22	0.16497	446995.28	
3764468.13	0.16179			
447007.41	3764467.30	0.16156	447023.51	
3764466.09	0.16170			
447036.59	3764466.21	0.16175	447052.68	
3764465.61	0.16173			
447066.60	3764465.73	0.16162	447099.65	
3764456.17	0.16317			
447145.28	3764468.27	0.16251	447175.54	
3764468.03	0.16441			
447205.32	3764468.27	0.16610	447232.43	
3764467.55	0.16546			
447264.02	3764467.30	0.16360	447294.77	
3764466.94	0.16391			
447364.97	3764456.41	0.17098	447406.61	
3764460.65	0.17358			
447441.47	3764460.04	0.17573	447466.88	
3764460.20	0.17735			
447490.00	3764460.56	0.17896	447515.50	
3764460.40	0.18082			
447573.06	3764454.29	0.18504	447598.49	
3764445.22	0.18624			
447652.90	3764439.70	0.18425	447692.92	
3764439.51	0.18387			
447713.82	3764439.11	0.18358	447731.95	
3764438.72	0.18317			
447751.07	3764438.72	0.18288	447768.82	
3764437.53	0.18260			
447789.12	3764437.73	0.18192	447805.68	
3764437.34	0.18168			
447824.02	3764437.20	0.18149	447841.61	
3764437.87	0.18144			
447861.72	3764437.53	0.18165	447881.66	
3764435.18	0.18220			
447902.78	3764436.19	0.18224	447920.87	
3764435.35	0.18253			
447942.16	3764435.35	0.18276	447962.77	
3764434.85	0.18307			

447980.70	3764435.18	0.18324	448004.66
3764435.18	0.18394		
448021.25	3764434.68	0.18552	447662.70
3764379.63	0.19136		
447681.30	3764320.98	0.20032	447682.64
3764285.79	0.20848		
447662.53	3764238.37	0.22004	447661.70
3764207.37	0.22820		
447683.14	3764162.29	0.24060	447680.97
3764145.87	0.24545		
447679.63	3764130.28	0.25032	447680.80
3764112.02	0.25601		
447681.47	3764096.43	0.26049	447680.80
3764078.84	0.26529		
447679.96	3764064.26	0.26891	447680.97
3764045.82	0.27345		
447680.63	3764029.74	0.27742	447657.17
3763992.03	0.28856		
447656.33	3763967.06	0.29518	447657.17
3763928.69	0.30657		
447657.17	3763902.21	0.31485	447657.51
3763869.03	0.32732		
447656.16	3763834.94	0.33934	447655.93
3763808.27	0.34874		
447657.09	3763786.00	0.35700	447701.21
3763782.14	0.35812		
447856.92	3763749.71	0.37320	447854.99
3763730.13	0.38183		
447854.35	3763698.35	0.39621	447855.31
3763676.84	0.40625		
447675.51	3763287.46	0.73491	448481.33
3763485.29	0.53664		
448479.95	3763195.53	0.92151	448478.56
3762907.16	1.28054		
448497.89	3762714.10	1.23096	448507.91
3762487.71	0.93497		


 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 146

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 4BREF ***
 INCLUDING SOURCE(S): 4BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
-----	-----	-----	-----	-----
448480.49	3762357.96	0.79062	448462.73	
3762339.82	0.78283			
448464.47	3762265.93	0.69507	448461.57	
3762165.17	0.60458			
448472.57	3762064.71	0.53423	448460.48	
3762016.72	0.51599			
448234.63	3761951.18	0.60092	448081.42	
3761952.78	0.70474			
448025.53	3761955.99	0.75185	447506.75	

3761967.63	1.56179		
447269.29	3761967.74	2.49600	447389.46
3761908.79	1.74764		
447019.14	3761964.34	4.20921	447060.33
3761963.58	3.89907		
446975.31	3761963.20	4.47372	446940.92
3761953.76	4.48224		
446865.72	3761974.54	5.26084	446795.06
3761957.91	4.99166		
446757.65	3761965.85	5.18293	446709.33
3761967.74	5.14801		
446796.42	3762028.62	7.11104	446796.97
3762045.28	7.82075		
446796.70	3762089.51	10.38914	446796.15
3762105.89	11.66288		
446796.70	3762137.29	14.88649	446796.15
3762153.39	17.07308		
446772.40	3762215.37	28.06362	446795.06
3762321.03	86.10048		
446796.42	3762450.98	27.03439	446796.42
3762471.18	21.59963		
446797.24	3762496.03	16.89482	446798.06
3762516.51	14.06543		
446797.79	3762539.98	11.57524	446797.52
3762560.19	9.93367		
446798.61	3762584.76	8.40470	446798.06
3762604.42	7.39919		
446799.70	3762654.11	5.58160	446799.97
3762674.58	4.80317		
446800.25	3762700.25	4.15729	446800.25
3762721.27	3.76646		
446799.97	3762735.74	3.54047	446797.79
3762748.02	3.35773		
446802.16	3762913.47	1.93882	446802.16
3762932.58	1.83567		
446802.43	3762949.24	1.75302	446802.98
3762967.26	1.67040		
446802.70	3762986.09	1.58391	446802.16
3763003.29	1.50462		
446802.16	3763021.86	1.42559	446802.70
3763040.70	1.35114		
446802.98	3763059.26	1.28351	446803.52
3763077.01	1.22634		
446756.29	3763085.26	1.20467	446807.68
3763646.39	0.40902		
446808.32	3763674.66	0.39400	446807.68
3763694.57	0.38338		
446808.32	3763710.63	0.37573	446808.32
3763726.37	0.36843		
446808.00	3763742.11	0.36174	446808.32
3763756.89	0.35558		
446808.64	3763798.32	0.33690	446810.25
3764484.08	0.16243		
446781.34	3764475.08	0.16369	446722.56
3764455.81	0.16595		
446170.32	3764559.79	0.13624	446872.29
3763190.26	0.91647		
446925.22	3763179.19	0.94154	446984.86
3763194.88	0.92719		
447010.56	3763193.28	0.92757	447036.58
3763193.60	0.93275		
447053.61	3763193.28	0.93655	447076.42
3763192.31	0.94143		
447093.45	3763192.63	0.94134	447122.05
3763192.63	0.95151		
447138.75	3763192.31	0.95635	447167.99

447327.28	3762636.82	5.88298	447327.51
3762612.90	6.64047		
447327.28	3762592.24	7.33966	447327.04
3762569.71	8.11836		
447327.28	3762547.89	8.83567	447326.58
3762524.67	9.52615		
447326.58	3762506.09	9.95167	447327.51
3762477.53	10.29111		
447325.88	3762454.31	10.35440	447225.58
3762432.95	15.87906		
447200.27	3762430.63	18.03535	447156.85
3762430.16	22.78748		
447131.77	3762430.86	26.21787	447102.74
3762430.63	31.02603		
447079.06	3762430.86	35.57022	447034.94
3762433.65	44.17095		
446995.47	3762433.65	51.98548	446972.71
3762434.34	54.40548		
446941.37	3762434.58	55.95749	446916.06
3762436.90	54.14468		
446876.35	3762436.90	53.09124	446848.85
3762647.05	6.19521		
446848.85	3762563.17	10.87296	446849.17
3762509.82	17.64515		
446849.17	3762455.82	34.87226	446848.85
3762702.00	4.34803		
446849.49	3762754.71	3.41855	446739.81
3762428.53	20.11918		
446711.81	3762423.61	16.01111	446687.25
3762416.25	13.39840		
446662.20	3762412.32	11.13413	446636.17
3762403.97	9.42407		
449981.72	3762732.45	0.34160	446486.82
3762231.95	4.48622		
446261.97	3762068.01	1.95818	446443.15
3762291.63	3.72231		
446071.80	3762055.49	1.24534	446072.08
3761983.13	1.22653		
446138.18	3762002.17	1.41948	445884.94
3762039.75	0.87566		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 148

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 4BSPILL *** INCLUDING SOURCE(S): 4BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.20524	447375.98	
3764150.98	0.24027			
447389.75	3764043.04	0.27565	447450.16	
3764031.05	0.28173			
447410.18	3764019.05	0.28457	446891.90	

3764451.22	0.16704		
446959.28	3764451.22	0.16539	446995.28
3764468.13	0.16222		
447007.41	3764467.30	0.16204	447023.51
3764466.09	0.16232		
447036.59	3764466.21	0.16248	447052.68
3764465.61	0.16258		
447066.60	3764465.73	0.16256	447099.65
3764456.17	0.16422		
447145.28	3764468.27	0.16339	447175.54
3764468.03	0.16506		
447205.32	3764468.27	0.16648	447232.43
3764467.55	0.16549		
447264.02	3764467.30	0.16329	447294.77
3764466.94	0.16347		
447364.97	3764456.41	0.17117	447406.61
3764460.65	0.17449		
447441.47	3764460.04	0.17734	447466.88
3764460.20	0.17942		
447490.00	3764460.56	0.18139	447515.50
3764460.40	0.18349		
447573.06	3764454.29	0.18758	447598.49
3764445.22	0.18840		
447652.90	3764439.70	0.18527	447692.92
3764439.51	0.18422		
447713.82	3764439.11	0.18366	447731.95
3764438.72	0.18308		
447751.07	3764438.72	0.18269	447768.82
3764437.53	0.18236		
447789.12	3764437.73	0.18168	447805.68
3764437.34	0.18150		
447824.02	3764437.20	0.18141	447841.61
3764437.87	0.18148		
447861.72	3764437.53	0.18185	447881.66
3764435.18	0.18256		
447902.78	3764436.19	0.18274	447920.87
3764435.35	0.18314		
447942.16	3764435.35	0.18346	447962.77
3764434.85	0.18383		
447980.70	3764435.18	0.18404	448004.66
3764435.18	0.18477		
448021.25	3764434.68	0.18641	447662.70
3764379.63	0.19181		
447681.30	3764320.98	0.20029	447682.64
3764285.79	0.20846		
447662.53	3764238.37	0.22020	447661.70
3764207.37	0.22844		
447683.14	3764162.29	0.24103	447680.97
3764145.87	0.24599		
447679.63	3764130.28	0.25099	447680.80
3764112.02	0.25684		
447681.47	3764096.43	0.26142	447680.80
3764078.84	0.26631		
447679.96	3764064.26	0.26998	447680.97
3764045.82	0.27460		
447680.63	3764029.74	0.27863	447657.17
3763992.03	0.28981		
447656.33	3763967.06	0.29653	447657.17
3763928.69	0.30812		
447657.17	3763902.21	0.31654	447657.51
3763869.03	0.32929		
447656.16	3763834.94	0.34150	447655.93
3763808.27	0.35105		
447657.09	3763786.00	0.35944	447701.21
3763782.14	0.36092		
447856.92	3763749.71	0.37675	447854.99

3763730.13	0.38535		
447854.35	3763698.35	0.39954	447855.31
3763676.84	0.40936		
447675.51	3763287.46	0.73236	448481.33
3763485.29	0.52507		
448479.95	3763195.53	0.91560	448478.56
3762907.16	1.28876		
448497.89	3762714.10	1.22285	448507.91
3762487.71	0.93040		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 149

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 4BSPILL ***
INCLUDING SOURCE(S): 4BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	0.77206	448462.73	
3762339.82	0.76266			
448464.47	3762265.93	0.67278	448461.57	
3762165.17	0.58600			
448472.57	3762064.71	0.52301	448460.48	
3762016.72	0.50790			
448234.63	3761951.18	0.59590	448081.42	
3761952.78	0.69922			
448025.53	3761955.99	0.74595	447506.75	
3761967.63	1.54768			
447269.29	3761967.74	2.48448	447389.46	
3761908.79	1.73846			
447019.14	3761964.34	4.21154	447060.33	
3761963.58	3.90336			
446975.31	3761963.20	4.46469	446940.92	
3761953.76	4.46826			
446865.72	3761974.54	5.24702	446795.06	
3761957.91	4.95740			
446757.65	3761965.85	5.15370	446709.33	
3761967.74	5.16144			
446796.42	3762028.62	7.06490	446796.97	
3762045.28	7.77261			
446796.70	3762089.51	10.33844	446796.15	
3762105.89	11.62167			
446796.70	3762137.29	14.88358	446796.15	
3762153.39	17.11392			
446772.40	3762215.37	28.51491	446795.06	
3762321.03	86.17963			
446796.42	3762450.98	27.00277	446796.42	
3762471.18	21.56193			
446797.24	3762496.03	16.85045	446798.06	
3762516.51	14.01697			
446797.79	3762539.98	11.52770	446797.52	
3762560.19	9.88884			
446798.61	3762584.76	8.36404	446798.06	
3762604.42	7.36285			

446799.70	3762654.11	5.55501	446799.97
3762674.58	4.95848		
446800.25	3762700.25	4.28382	446800.25
3762721.27	3.88022		
446799.97	3762735.74	3.64769	446797.79
3762748.02	3.45949		
446802.16	3762913.47	2.00103	446802.16
3762932.58	1.89468		
446802.43	3762949.24	1.80947	446802.98
3762967.26	1.72429		
446802.70	3762986.09	1.63468	446802.16
3763003.29	1.55222		
446802.16	3763021.86	1.47010	446802.70
3763040.70	1.39248		
446802.98	3763059.26	1.32216	446803.52
3763077.01	1.26294		
446756.29	3763085.26	1.24175	446807.68
3763646.39	0.41772		
446808.32	3763674.66	0.40233	446807.68
3763694.57	0.39144		
446808.32	3763710.63	0.38361	446808.32
3763726.37	0.37613		
446808.00	3763742.11	0.36929	446808.32
3763756.89	0.36300		
446808.64	3763798.32	0.34382	446810.25
3764484.08	0.16486		
446781.34	3764475.08	0.16644	446722.56
3764455.81	0.16870		
446170.32	3764559.79	0.13830	446872.29
3763190.26	0.93909		
446925.22	3763179.19	0.96080	446984.86
3763194.88	0.94284		
447010.56	3763193.28	0.94155	447036.58
3763193.60	0.94672		
447053.61	3763193.28	0.95088	447076.42
3763192.31	0.95647		
447093.45	3763192.63	0.95685	447122.05
3763192.63	0.96785		
447138.75	3763192.31	0.97267	447167.99
3763192.31	0.97690		
447170.68	3763172.18	1.02177	447170.41
3763158.25	1.05528		
447169.31	3763144.87	1.08534	447147.46
3763107.45	1.16944		

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 150

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 4BSPILL ***
INCLUDING SOURCE(S): 4BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	1.23559	447146.92	

3763064.30	1.30129		
447149.92	3763038.90	1.39655	447148.56
3763019.78	1.47201		
447148.56	3762997.39	1.57163	447206.08
3762958.49	1.74829		
447209.33	3762922.51	1.94205	447208.40
3762890.70	2.12881		
447145.83	3762888.87	2.19988	447122.55
3762889.07	2.21475		
447094.33	3762890.05	2.22156	447071.04
3762890.45	2.22469		
447043.61	3762889.66	2.23264	447017.76
3762888.87	2.23518		
446992.11	3762889.07	2.22646	446964.28
3762888.28	2.22456		
446940.41	3762888.47	2.22474	446911.20
3762888.08	2.23690		
446885.35	3762889.66	2.21262	446862.07
3762888.87	2.20230		
446871.45	3762779.57	3.23834	446926.31
3762768.72	3.43975		
446983.74	3762774.24	3.39888	447009.00
3762774.05	3.41447		
447030.51	3762774.44	3.43766	447055.37
3762774.05	3.44007		
447076.88	3762774.24	3.40453	447101.16
3762774.44	3.34047		
447123.85	3762774.05	3.30055	447148.12
3762775.03	3.22672		
447170.23	3762774.84	3.17399	447196.78
3762775.48	3.11290		
447242.12	3762776.57	3.01619	447262.33
3762776.03	2.99490		
447294.56	3762776.30	2.96112	447313.13
3762775.48	2.95430		
447313.40	3762749.53	3.28151	447327.86
3762713.09	3.87164		
447327.36	3762679.87	4.57683	447327.74
3762657.02	5.17391		
447327.28	3762636.82	5.78824	447327.51
3762612.90	6.61497		
447327.28	3762592.24	7.39867	447327.04
3762569.71	8.29119		
447327.28	3762547.89	9.12868	447326.58
3762524.67	9.93584		
447326.58	3762506.09	10.43103	447327.51
3762477.53	10.80553		
447325.88	3762454.31	10.82670	447225.58
3762432.95	16.67539		
447200.27	3762430.63	18.98109	447156.85
3762430.16	24.06812		
447131.77	3762430.86	27.70062	447102.74
3762430.63	32.70476		
447079.06	3762430.86	37.28896	447034.94
3762433.65	45.07748		
446995.47	3762433.65	51.14646	446972.71
3762434.34	52.41986		
446941.37	3762434.58	53.75978	446916.06
3762436.90	53.07341		
446876.35	3762436.90	52.59941	446848.85
3762647.05	6.16890		
446848.85	3762563.17	10.81710	446849.17
3762509.82	17.54515		
446849.17	3762455.82	34.69131	446848.85
3762702.00	4.48017		
446849.49	3762754.71	3.52228	446739.81

3762428.53	20.10874		
446711.81	3762423.61	15.97982	446687.25
3762416.25	13.35153		
446662.20	3762412.32	11.08641	446636.17
3762403.97	9.38076		
449981.72	3762732.45	0.34202	446486.82
3762231.95	4.45760		
446261.97	3762068.01	1.94882	446443.15
3762291.63	3.70871		
446071.80	3762055.49	1.23859	446072.08
3761983.13	1.22156		
446138.18	3762002.17	1.41357	445884.94
3762039.75	0.87098		

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 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 151

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5AIDLE ***

INCLUDING SOURCE(S): L0000089 , L0000090 ,
 L0000091 , L0000092 , L0000093 ,
 L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
 L0000099 , L0000100 , L0000101 ,
 L0000102 , L0000103 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	0.24681	447375.98	
3764150.98	0.29043			
447389.75	3764043.04	0.33876	447450.16	
3764031.05	0.34878			
447410.18	3764019.05	0.35173	446891.90	
3764451.22	0.19074			
446959.28	3764451.22	0.19355	446995.28	
3764468.13	0.19140			
447007.41	3764467.30	0.19169	447023.51	
3764466.09	0.19251			
447036.59	3764466.21	0.19305	447052.68	
3764465.61	0.19360			
447066.60	3764465.73	0.19393	447099.65	
3764456.17	0.19691			
447145.28	3764468.27	0.19709	447175.54	
3764468.03	0.19996			
447205.32	3764468.27	0.20242	447232.43	
3764467.55	0.20183			
447264.02	3764467.30	0.19945	447294.77	
3764466.94	0.19916			
447364.97	3764456.41	0.20462	447406.61	
3764460.65	0.20510			
447441.47	3764460.04	0.20528	447466.88	
3764460.20	0.20562			
447490.00	3764460.56	0.20641	447515.50	
3764460.40	0.20778			
447573.06	3764454.29	0.21262	447598.49	
3764445.22	0.21414			

447652.90	3764439.70	0.21192	447692.92
3764439.51	0.21332		
447713.82	3764439.11	0.21408	447731.95
3764438.72	0.21455		
447751.07	3764438.72	0.21534	447768.82
3764437.53	0.21605		
447789.12	3764437.73	0.21632	447805.68
3764437.34	0.21703		
447824.02	3764437.20	0.21791	447841.61
3764437.87	0.21891		
447861.72	3764437.53	0.22042	447881.66
3764435.18	0.22237		
447902.78	3764436.19	0.22353	447920.87
3764435.35	0.22485		
447942.16	3764435.35	0.22615	447962.77
3764434.85	0.22744		
447980.70	3764435.18	0.22833	448004.66
3764435.18	0.23007		
448021.25	3764434.68	0.23278	447662.70
3764379.63	0.22236		
447681.30	3764320.98	0.23683	447682.64
3764285.79	0.24957		
447662.53	3764238.37	0.26642	447661.70
3764207.37	0.27942		
447683.14	3764162.29	0.30084	447680.97
3764145.87	0.30859		
447679.63	3764130.28	0.31646	447680.80
3764112.02	0.32584		
447681.47	3764096.43	0.33319	447680.80
3764078.84	0.34095		
447679.96	3764064.26	0.34676	447680.97
3764045.82	0.35421		
447680.63	3764029.74	0.36065	447657.17
3763992.03	0.37739		
447656.33	3763967.06	0.38827	447657.17
3763928.69	0.40744		
447657.17	3763902.21	0.42148	447657.51
3763869.03	0.44321		
447656.16	3763834.94	0.46413	447655.93
3763808.27	0.48076		
447657.09	3763786.00	0.49570	447701.21
3763782.14	0.50333		
447856.92	3763749.71	0.56267	447854.99
3763730.13	0.58182		
447854.35	3763698.35	0.61518	447855.31
3763676.84	0.63954		
447675.51	3763287.46	1.51486	448481.33
3763485.29	0.90660		
448479.95	3763195.53	1.87710	448478.56
3762907.16	2.42597		
448497.89	3762714.10	2.01349	448507.91
3762487.71	1.28847		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 152

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 5AIDLE ***

	INCLUDING SOURCE(S):	L0000089	,	L0000090	,
		L0000091	,	L0000092	,
			,	L0000093	,
L0000094	,	L0000095	,	L0000096	,
L0000099	,	L0000100	,	L0000101	,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF OTHER MICROGRAMS/M**3	IN		
X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD
(M)	CONC				
448480.49	3762357.96	1.06335		448462.73	
3762339.82	1.05792				
448464.47	3762265.93	0.94898		448461.57	
3762165.17	0.83974				
448472.57	3762064.71	0.74113		448460.48	
3762016.72	0.71424				
448234.63	3761951.18	0.85818		448081.42	
3761952.78	1.03479				
448025.53	3761955.99	1.11388		447506.75	
3761967.63	1.87805				
447269.29	3761967.74	1.96622		447389.46	
3761908.79	1.68820				
447019.14	3761964.34	1.69669		447060.33	
3761963.58	1.76113				
446975.31	3761963.20	1.61527		446940.92	
3761953.76	1.52853				
446865.72	3761974.54	1.43047		446795.06	
3761957.91	1.26938				
446757.65	3761965.85	1.21186		446709.33	
3761967.74	1.12986				
446796.42	3762028.62	1.36718		446796.97	
3762045.28	1.39057				
446796.70	3762089.51	1.45009		446796.15	
3762105.89	1.46896				
446796.70	3762137.29	1.50811		446796.15	
3762153.39	1.52492				
446772.40	3762215.37	1.51315		446795.06	
3762321.03	1.67372				
446796.42	3762450.98	1.73824		446796.42	
3762471.18	1.74182				
446797.24	3762496.03	1.74746		446798.06	
3762516.51	1.75068				
446797.79	3762539.98	1.74611		446797.52	
3762560.19	1.73974				
446798.61	3762584.76	1.73568		446798.06	
3762604.42	1.72387				
446799.70	3762654.11	1.69780		446799.97	
3762674.58	1.68162				
446800.25	3762700.25	1.65849		446800.25	
3762721.27	1.63713				
446799.97	3762735.74	1.62052		446797.79	
3762748.02	1.59827				
446802.16	3762913.47	1.39645		446802.16	
3762932.58	1.36877				
446802.43	3762949.24	1.34524		446802.98	
3762967.26	1.32032				
446802.70	3762986.09	1.29183		446802.16	
3763003.29	1.26508				
446802.16	3763021.86	1.23776		446802.70	
3763040.70	1.21136				
446802.98	3763059.26	1.18491		446803.52	
3763077.01	1.16041				
446756.29	3763085.26	1.06080		446807.68	
3763646.39	0.45395				
446808.32	3763674.66	0.43879		446807.68	

3763694.57	0.42769		
446808.32	3763710.63	0.41989	446808.32
3763726.37	0.41223		
446808.00	3763742.11	0.40509	446808.32
3763756.89	0.39861		
446808.64	3763798.32	0.37879	446810.25
3764484.08	0.18164		
446781.34	3764475.08	0.18174	446722.56
3764455.81	0.18241		
446170.32	3764559.79	0.13985	446872.29
3763190.26	1.01423		
446925.22	3763179.19	1.09113	446984.86
3763194.88	1.19247		
447010.56	3763193.28	1.21074	447036.58
3763193.60	1.25776		
447053.61	3763193.28	1.27507	447076.42
3763192.31	1.30283		
447093.45	3763192.63	1.31402	447122.05
3763192.63	1.40759		
447138.75	3763192.31	1.46019	447167.99
3763192.31	1.53801		
447170.68	3763172.18	1.65922	447170.41
3763158.25	1.73677		
447169.31	3763144.87	1.79284	447147.46
3763107.45	1.85672		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 153

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5AIDLE ***
 INCLUDING SOURCE(S): L0000089 , L0000090 ,
 L0000091 , L0000092 , L0000093 ,
 L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
 L0000099 , L0000100 , L0000101 ,
 L0000102 , L0000103 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447146.64	3763084.24	1.98958	447146.92	
3763064.30	2.14277			
447149.92	3763038.90	2.41531	447148.56	
3763019.78	2.55663			
447148.56	3762997.39	2.71829	447206.08	
3762958.49	3.52629			
447209.33	3762922.51	4.01987	447208.40	
3762890.70	4.47312			
447145.83	3762888.87	3.64840	447122.55	
3762889.07	3.38074			
447094.33	3762890.05	3.08455	447071.04	
3762890.45	2.86881			
447043.61	3762889.66	2.64717	447017.76	
3762888.87	2.45943			
446992.11	3762889.07	2.28732	446964.28	
3762888.28	2.12294			

446940.41	3762888.47	1.99296	446911.20
3762888.08	1.85103		
446885.35	3762889.66	1.73315	446862.07
3762888.87	1.64074		
446871.45	3762779.57	1.88193	446926.31
3762768.72	2.21871		
446983.74	3762774.24	2.63381	447009.00
3762774.05	2.86523		
447030.51	3762774.44	3.08705	447055.37
3762774.05	3.38145		
447076.88	3762774.24	3.66818	447101.16
3762774.44	4.03742		
447123.85	3762774.05	4.44306	447148.12
3762775.03	4.93217		
447170.23	3762774.84	5.46541	447196.78
3762775.48	6.21365		
447242.12	3762776.57	7.87334	447262.33
3762776.03	8.85513		
447294.56	3762776.30	10.74701	447313.13
3762775.48	12.14469		
447313.40	3762749.53	14.15122	447327.86
3762713.09	19.80356		
447327.36	3762679.87	23.39950	447327.74
3762657.02	25.68694		
447327.28	3762636.82	26.98051	447327.51
3762612.90	27.94229		
447327.28	3762592.24	27.80503	447327.04
3762569.71	26.83172		
447327.28	3762547.89	25.33446	447326.58
3762524.67	22.97003		
447326.58	3762506.09	21.00925	447327.51
3762477.53	18.01895		
447325.88	3762454.31	15.50816	447225.58
3762432.95	8.39657		
447200.27	3762430.63	7.36728	447156.85
3762430.16	5.98891		
447131.77	3762430.86	5.35377	447102.74
3762430.63	4.71776		
447079.06	3762430.86	4.27527	447034.94
3762433.65	3.60769		
446995.47	3762433.65	3.12796	446972.71
3762434.34	2.89522		
446941.37	3762434.58	2.61590	446916.06
3762436.90	2.42049		
446876.35	3762436.90	2.15212	446848.85
3762647.05	1.94300		
446848.85	3762563.17	1.99824	446849.17
3762509.82	2.00986		
446849.17	3762455.82	2.00122	446848.85
3762702.00	1.88169		
446849.49	3762754.71	1.81349	446739.81
3762428.53	1.50867		
446711.81	3762423.61	1.41425	446687.25
3762416.25	1.33842		
446662.20	3762412.32	1.26833	446636.17
3762403.97	1.20110		
449981.72	3762732.45	0.40725	446486.82
3762231.95	0.88881		
446261.97	3762068.01	0.61785	446443.15
3762291.63	0.83604		
446071.80	3762055.49	0.48713	446072.08
3761983.13	0.48198		
446138.18	3762002.17	0.52274	445884.94
3762039.75	0.39671		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5AON ***

INCLUDING SOURCE(S): L0000326 , L0000327 ,
 L0000328 , L0000329 , L0000330 ,
 L0000331 , L0000332 , L0000333 , L0000334 , L0000335 ,
 L0000336 , L0000337 , L0000338 ,
 L0000339 , L0000340 , L0000341 , L0000342 , L0000343 ,
 L0000344 , L0000345 , L0000346 ,
 L0000347 , L0000348 , L0000349 , L0000350 , L0000351 ,
 L0000352 , L0000353 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.25390	447375.98	
3764150.98	0.29989			
447389.75	3764043.04	0.35124	447450.16	
3764031.05	0.36198			
447410.18	3764019.05	0.36511	446891.90	
3764451.22	0.19536			
446959.28	3764451.22	0.19839	446995.28	
3764468.13	0.19622			
447007.41	3764467.30	0.19654	447023.51	
3764466.09	0.19743			
447036.59	3764466.21	0.19801	447052.68	
3764465.61	0.19861			
447066.60	3764465.73	0.19898	447099.65	
3764456.17	0.20211			
447145.28	3764468.27	0.20228	447175.54	
3764468.03	0.20524			
447205.32	3764468.27	0.20775	447232.43	
3764467.55	0.20707			
447264.02	3764467.30	0.20447	447294.77	
3764466.94	0.20408			
447364.97	3764456.41	0.20961	447406.61	
3764460.65	0.21009			
447441.47	3764460.04	0.21029	447466.88	
3764460.20	0.21068			
447490.00	3764460.56	0.21156	447515.50	
3764460.40	0.21307			
447573.06	3764454.29	0.21832	447598.49	
3764445.22	0.22001			
447652.90	3764439.70	0.21790	447692.92	
3764439.51	0.21949			
447713.82	3764439.11	0.22034	447731.95	
3764438.72	0.22087			
447751.07	3764438.72	0.22172	447768.82	
3764437.53	0.22249			
447789.12	3764437.73	0.22278	447805.68	
3764437.34	0.22353			
447824.02	3764437.20	0.22443	447841.61	
3764437.87	0.22544			
447861.72	3764437.53	0.22697	447881.66	
3764435.18	0.22894			

447902.78	3764436.19	0.23006	447920.87
3764435.35	0.23136		
447942.16	3764435.35	0.23260	447962.77
3764434.85	0.23383		
447980.70	3764435.18	0.23466	448004.66
3764435.18	0.23634		
448021.25	3764434.68	0.23905	447662.70
3764379.63	0.22897		
447681.30	3764320.98	0.24429	447682.64
3764285.79	0.25771		
447662.53	3764238.37	0.27543	447661.70
3764207.37	0.28912		
447683.14	3764162.29	0.31180	447680.97
3764145.87	0.31999		
447679.63	3764130.28	0.32832	447680.80
3764112.02	0.33828		
447681.47	3764096.43	0.34611	447680.80
3764078.84	0.35439		
447679.96	3764064.26	0.36062	447680.97
3764045.82	0.36861		
447680.63	3764029.74	0.37553	447657.17
3763992.03	0.39350		
447656.33	3763967.06	0.40524	447657.17
3763928.69	0.42596		
447657.17	3763902.21	0.44118	447657.51
3763869.03	0.46473		
447656.16	3763834.94	0.48753	447655.93
3763808.27	0.50573		
447657.09	3763786.00	0.52213	447701.21
3763782.14	0.53018		
447856.92	3763749.71	0.59197	447854.99
3763730.13	0.61287		
447854.35	3763698.35	0.64934	447855.31
3763676.84	0.67602		
447675.51	3763287.46	1.80416	448481.33
3763485.29	0.98574		
448479.95	3763195.53	1.84882	448478.56
3762907.16	2.28269		
448497.89	3762714.10	1.87081	448507.91
3762487.71	1.25979		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 155

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 5AON ***

INCLUDING SOURCE(S): L0000326 , L0000327 ,
L0000328 , L0000329 , L0000330 ,
L0000331 , L0000332 , L0000333 , L0000334 , L0000335 ,
L0000336 , L0000337 , L0000338 ,
L0000339 , L0000340 , L0000341 , L0000342 , L0000343 ,
L0000344 , L0000345 , L0000346 ,
L0000347 , L0000348 , L0000349 , L0000350 , L0000351 ,
L0000352 , L0000353 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M)
(M) CONC

448480.49	3762357.96	1.05069	448462.73
3762339.82	1.04525		
448464.47	3762265.93	0.93507	448461.57
3762165.17	0.82406		
448472.57	3762064.71	0.72599	448460.48
3762016.72	0.69927		
448234.63	3761951.18	0.83684	448081.42
3761952.78	1.00670		
448025.53	3761955.99	1.08321	447506.75
3761967.63	1.90767		
447269.29	3761967.74	2.02488	447389.46
3761908.79	1.71789		
447019.14	3761964.34	1.73037	447060.33
3761963.58	1.79994		
446975.31	3761963.20	1.64376	446940.92
3761953.76	1.55278		
446865.72	3761974.54	1.45064	446795.06
3761957.91	1.28519		
446757.65	3761965.85	1.22672	446709.33
3761967.74	1.14350		
446796.42	3762028.62	1.38642	446796.97
3762045.28	1.41071		
446796.70	3762089.51	1.47279	446796.15
3762105.89	1.49261		
446796.70	3762137.29	1.53381	446796.15
3762153.39	1.55168		
446772.40	3762215.37	1.54288	446795.06
3762321.03	1.71333		
446796.42	3762450.98	1.78402	446796.42
3762471.18	1.78782		
446797.24	3762496.03	1.79362	446798.06
3762516.51	1.79682		
446797.79	3762539.98	1.79198	446797.52
3762560.19	1.78544		
446798.61	3762584.76	1.78158	446798.06
3762604.42	1.76990		
446799.70	3762654.11	1.74594	446799.97
3762674.58	1.73063		
446800.25	3762700.25	1.70843	446800.25
3762721.27	1.68781		
446799.97	3762735.74	1.67164	446797.79
3762748.02	1.64936		
446802.16	3762913.47	1.44840	446802.16
3762932.58	1.42017		
446802.43	3762949.24	1.39616	446802.98
3762967.26	1.37073		
446802.70	3762986.09	1.34150	446802.16
3763003.29	1.31401		
446802.16	3763021.86	1.28598	446802.70
3763040.70	1.25893		
446802.98	3763059.26	1.22935	446803.52
3763077.01	1.20421		
446756.29	3763085.26	1.09976	446807.68
3763646.39	0.47236		
446808.32	3763674.66	0.45619	446807.68
3763694.57	0.44437		
446808.32	3763710.63	0.43607	446808.32
3763726.37	0.42794		
446808.00	3763742.11	0.42036	446808.32
3763756.89	0.41350		
446808.64	3763798.32	0.39248	446810.25
3764484.08	0.18584		
446781.34	3764475.08	0.18594	446722.56
3764455.81	0.18662		

446170.32	3764559.79	0.14231	446872.29
3763190.26	1.08685		
446925.22	3763179.19	1.20023	446984.86
3763194.88	1.29956		
447010.56	3763193.28	1.34841	447036.58
3763193.60	1.40613		
447053.61	3763193.28	1.44202	447076.42
3763192.31	1.49352		
447093.45	3763192.63	1.52711	447122.05
3763192.63	1.61068		
447138.75	3763192.31	1.66037	447167.99
3763192.31	1.74269		
447170.68	3763172.18	1.85449	447170.41
3763158.25	1.92913		
447169.31	3763144.87	1.99454	447147.46
3763107.45	2.09822		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 156

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 5AON ***

INCLUDING SOURCE(S): L0000326 , L0000327 ,
L0000328 , L0000329 , L0000330 ,
L0000331 , L0000332 , L0000333 , L0000334 , L0000335 ,
L0000336 , L0000337 , L0000338 ,
L0000339 , L0000340 , L0000341 , L0000342 , L0000343 ,
L0000344 , L0000345 , L0000346 ,
L0000347 , L0000348 , L0000349 , L0000350 , L0000351 ,
L0000352 , L0000353 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	2.23442	447146.92	
3763064.30	2.39058			
447149.92	3763038.90	2.61255	447148.56	
3763019.78	2.75759			
447148.56	3762997.39	2.94851	447206.08	
3762958.49	3.98556			
447209.33	3762922.51	4.58623	447208.40	
3762890.70	5.09572			
447145.83	3762888.87	4.00483	447122.55	
3762889.07	3.67578			
447094.33	3762890.05	3.32257	447071.04	
3762890.45	3.07064			
447043.61	3762889.66	2.81564	447017.76	
3762888.87	2.60319			
446992.11	3762889.07	2.41136	446964.28	
3762888.28	2.22979			
446940.41	3762888.47	2.08770	446911.20	
3762888.08	1.93354			
446885.35	3762889.66	1.80660	446862.07	
3762888.87	1.70729			
446871.45	3762779.57	1.95144	446926.31	
3762768.72	2.30680			

446983.74	3762774.24	2.75120	447009.00
3762774.05	2.99992		
447030.51	3762774.44	3.23972	447055.37
3762774.05	3.55948		
447076.88	3762774.24	3.87372	447101.16
3762774.44	4.28241		
447123.85	3762774.05	4.73602	447148.12
3762775.03	5.29451		
447170.23	3762774.84	5.91350	447196.78
3762775.48	6.81097		
447242.12	3762776.57	8.94289	447262.33
3762776.03	10.30242		
447294.56	3762776.30	13.25652	447313.13
3762775.48	15.74048		
447313.40	3762749.53	17.74079	447327.86
3762713.09	23.85829		
447327.36	3762679.87	25.48916	447327.74
3762657.02	26.26377		
447327.28	3762636.82	26.41087	447327.51
3762612.90	26.53431		
447327.28	3762592.24	26.31380	447327.04
3762569.71	25.88063		
447327.28	3762547.89	25.40726	447326.58
3762524.67	24.42051		
447326.58	3762506.09	23.60610	447327.51
3762477.53	22.19005		
447325.88	3762454.31	20.15017	447225.58
3762432.95	8.96592		
447200.27	3762430.63	7.75583	447156.85
3762430.16	6.22292		
447131.77	3762430.86	5.54327	447102.74
3762430.63	4.87412		
447079.06	3762430.86	4.41255	447034.94
3762433.65	3.72012		
446995.47	3762433.65	3.22349	446972.71
3762434.34	2.98261		
446941.37	3762434.58	2.69342	446916.06
3762436.90	2.49109		
446876.35	3762436.90	2.21291	446848.85
3762647.05	2.00058		
446848.85	3762563.17	2.05365	446849.17
3762509.82	2.06589		
446849.17	3762455.82	2.05684	446848.85
3762702.00	1.94194		
446849.49	3762754.71	1.87618	446739.81
3762428.53	1.54599		
446711.81	3762423.61	1.44824	446687.25
3762416.25	1.36978		
446662.20	3762412.32	1.29731	446636.17
3762403.97	1.22784		
449981.72	3762732.45	0.39798	446486.82
3762231.95	0.90491		
446261.97	3762068.01	0.62652	446443.15
3762291.63	0.85130		
446071.80	3762055.49	0.49337	446072.08
3761983.13	0.48784		
446138.18	3762002.17	0.52935	445884.94
3762039.75	0.40131		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich

Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50


*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5BBREAT ***
 INCLUDING SOURCE(S) : 5BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)
447362.21	3764292.67	0.17764	447375.98	
3764150.98	0.20306			
447389.75	3764043.04	0.23010	447450.16	
3764031.05	0.23654			
447410.18	3764019.05	0.23749	446891.90	
3764451.22	0.14255			
446959.28	3764451.22	0.14417	446995.28	
3764468.13	0.14269			
447007.41	3764467.30	0.14283	447023.51	
3764466.09	0.14329			
447036.59	3764466.21	0.14357	447052.68	
3764465.61	0.14386			
447066.60	3764465.73	0.14401	447099.65	
3764456.17	0.14577			
447145.28	3764468.27	0.14579	447175.54	
3764468.03	0.14761			
447205.32	3764468.27	0.14923	447232.43	
3764467.55	0.14898			
447264.02	3764467.30	0.14764	447294.77	
3764466.94	0.14775			
447364.97	3764456.41	0.15212	447406.61	
3764460.65	0.15301			
447441.47	3764460.04	0.15353	447466.88	
3764460.20	0.15395			
447490.00	3764460.56	0.15457	447515.50	
3764460.40	0.15546			
447573.06	3764454.29	0.15819	447598.49	
3764445.22	0.15890			
447652.90	3764439.70	0.15671	447692.92	
3764439.51	0.15681			
447713.82	3764439.11	0.15684	447731.95	
3764438.72	0.15674			
447751.07	3764438.72	0.15682	447768.82	
3764437.53	0.15687			
447789.12	3764437.73	0.15660	447805.68	
3764437.34	0.15672			
447824.02	3764437.20	0.15694	447841.61	
3764437.87	0.15732			
447861.72	3764437.53	0.15803	447881.66	
3764435.18	0.15909			
447902.78	3764436.19	0.15973	447920.87	
3764435.35	0.16055			
447942.16	3764435.35	0.16146	447962.77	
3764434.85	0.16245			
447980.70	3764435.18	0.16326	448004.66	
3764435.18	0.16487			
448021.25	3764434.68	0.16714	447662.70	
3764379.63	0.16282			
447681.30	3764320.98	0.17102	447682.64	
3764285.79	0.17863			
447662.53	3764238.37	0.18903	447661.70	
3764207.37	0.19655			
447683.14	3764162.29	0.20826	447680.97	

3764145.87	0.21268		
447679.63	3764130.28	0.21713	447680.80
3764112.02	0.22234		
447681.47	3764096.43	0.22639	447680.80
3764078.84	0.23064		
447679.96	3764064.26	0.23379	447680.97
3764045.82	0.23773		
447680.63	3764029.74	0.24114	447657.17
3763992.03	0.25057		
447656.33	3763967.06	0.25620	447657.17
3763928.69	0.26600		
447657.17	3763902.21	0.27308	447657.51
3763869.03	0.28405		
447656.16	3763834.94	0.29431	447655.93
3763808.27	0.30224		
447657.09	3763786.00	0.30924	447701.21
3763782.14	0.31144		
447856.92	3763749.71	0.34460	447854.99
3763730.13	0.35395		
447854.35	3763698.35	0.37017	447855.31
3763676.84	0.38197		
447675.51	3763287.46	0.70193	448481.33
3763485.29	0.50193		
448479.95	3763195.53	0.86937	448478.56
3762907.16	1.91098		
448497.89	3762714.10	2.92287	448507.91
3762487.71	2.68944		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops ***
 *** AERMET - VERSION 16216 *** 10/19/22
 *** *** 09:18:50

PAGE 158

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5BBREAT ***
 INCLUDING SOURCE(S): 5BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
448480.49	3762357.96	2.31550	448462.73	
3762339.82	2.30757			
448464.47	3762265.93	1.93989	448461.57	
3762165.17	1.54843			
448472.57	3762064.71	1.25505	448460.48	
3762016.72	1.18086			
448234.63	3761951.18	1.50618	448081.42	
3761952.78	1.99112			
448025.53	3761955.99	2.24029	447506.75	
3761967.63	5.43170			
447269.29	3761967.74	4.10782	447389.46	
3761908.79	4.08353			
447019.14	3761964.34	2.13647	447060.33	
3761963.58	2.37136			
446975.31	3761963.20	1.91570	446940.92	
3761953.76	1.75486			
446865.72	3761974.54	1.49815	446795.06	
3761957.91	1.28271			

446757.65	3761965.85	1.19350	446709.33
3761967.74	1.08869		
446796.42	3762028.62	1.31229	446796.97
3762045.28	1.31866		
446796.70	3762089.51	1.32963	446796.15
3762105.89	1.33079		
446796.70	3762137.29	1.33609	446796.15
3762153.39	1.33555		
446772.40	3762215.37	1.26780	446795.06
3762321.03	1.30656		
446796.42	3762450.98	1.23846	446796.42
3762471.18	1.22361		
446797.24	3762496.03	1.20642	446798.06
3762516.51	1.19180		
446797.79	3762539.98	1.17158	446797.52
3762560.19	1.15370		
446798.61	3762584.76	1.13461	446798.06
3762604.42	1.11564		
446799.70	3762654.11	1.07281	446799.97
3762674.58	0.93076		
446800.25	3762700.25	0.89835	446800.25
3762721.27	0.87619		
446799.97	3762735.74	0.86194	446797.79
3762748.02	0.84738		
446802.16	3762913.47	0.71207	446802.16
3762932.58	0.69666		
446802.43	3762949.24	0.68370	446802.98
3762967.26	0.67014		
446802.70	3762986.09	0.65426	446802.16
3763003.29	0.63852		
446802.16	3763021.86	0.62234	446802.70
3763040.70	0.60650		
446802.98	3763059.26	0.59123	446803.52
3763077.01	0.57794		
446756.29	3763085.26	0.55282	446807.68
3763646.39	0.29293		
446808.32	3763674.66	0.28495	446807.68
3763694.57	0.27910		
446808.32	3763710.63	0.27492	446808.32
3763726.37	0.27082		
446808.00	3763742.11	0.26696	446808.32
3763756.89	0.26344		
446808.64	3763798.32	0.25269	446810.25
3764484.08	0.13684		
446781.34	3764475.08	0.13693	446722.56
3764455.81	0.13740		
446170.32	3764559.79	0.11070	446872.29
3763190.26	0.51930		
446925.22	3763179.19	0.55190	446984.86
3763194.88	0.57413		
447010.56	3763193.28	0.58604	447036.58
3763193.60	0.59951		
447053.61	3763193.28	0.60840	447076.42
3763192.31	0.62012		
447093.45	3763192.63	0.62706	447122.05
3763192.63	0.64409		
447138.75	3763192.31	0.65385	447167.99
3763192.31	0.66975		
447170.68	3763172.18	0.69567	447170.41
3763158.25	0.71364		
447169.31	3763144.87	0.72898	447147.46
3763107.45	0.75723		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5BBREAT ***
 INCLUDING SOURCE(S): 5BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF OTHER MICROGRAMS/M**3	IN		
X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD
447146.64	3763084.24	0.78828		447146.92	
3763064.30	0.81921				
447149.92	3763038.90	0.86563		447148.56	
3763019.78	0.89788				
447148.56	3762997.39	0.94124		447206.08	
3762958.49	1.10392				
447209.33	3762922.51	1.20682		447208.40	
3762890.70	1.29293				
447145.83	3762888.87	1.18391		447122.55	
3762889.07	1.14317				
447094.33	3762890.05	1.09396		447071.04	
3762890.45	1.05584				
447043.61	3762889.66	1.01556		447017.76	
3762888.87	0.97925				
446992.11	3762889.07	0.94308		446964.28	
3762888.28	0.90744				
446940.41	3762888.47	0.87865		446911.20	
3762888.08	0.84725				
446885.35	3762889.66	0.81530		446862.07	
3762888.87	0.79043				
446871.45	3762779.57	0.91876		446926.31	
3762768.72	1.02013				
446983.74	3762774.24	1.11747		447009.00	
3762774.05	1.17020				
447030.51	3762774.44	1.22364		447055.37	
3762774.05	1.28610				
447076.88	3762774.24	1.33597		447101.16	
3762774.44	1.38885				
447123.85	3762774.05	1.44983		447148.12	
3762775.03	1.50935				
447170.23	3762774.84	1.57092		447196.78	
3762775.48	1.65196				
447242.12	3762776.57	1.79444		447262.33	
3762776.03	1.86764				
447294.56	3762776.30	1.98502		447313.13	
3762775.48	2.05474				
447313.40	3762749.53	2.21482		447327.86	
3762713.09	2.56554				
447327.36	3762679.87	3.37229		447327.74	
3762657.02	3.64697				
447327.28	3762636.82	3.90684		447327.51	
3762612.90	4.25560				
447327.28	3762592.24	4.57865		447327.04	
3762569.71	4.96226				
447327.28	3762547.89	5.37478		447326.58	
3762524.67	5.82488				
447326.58	3762506.09	6.21930		447327.51	
3762477.53	6.89243				
447325.88	3762454.31	7.36330		447225.58	

3762432.95	4.64169		
447200.27	3762430.63	4.16561	447156.85
3762430.16	3.49137		
447131.77	3762430.86	3.17246	447102.74
3762430.63	2.86120		
447079.06	3762430.86	2.64051	447034.94
3762433.65	2.28922		
446995.47	3762433.65	2.03809	446972.71
3762434.34	1.91157		
446941.37	3762434.58	1.75723	446916.06
3762436.90	1.64423		
446876.35	3762436.90	1.49287	446848.85
3762647.05	1.18460		
446848.85	3762563.17	1.27753	446849.17
3762509.82	1.33369		
446849.17	3762455.82	1.38513	446848.85
3762702.00	0.97342		
446849.49	3762754.71	0.91262	446739.81
3762428.53	1.11650		
446711.81	3762423.61	1.05944	446687.25
3762416.25	1.01443		
446662.20	3762412.32	0.97001	446636.17
3762403.97	0.92852		
449981.72	3762732.45	0.54936	446486.82
3762231.95	0.75281		
446261.97	3762068.01	0.55181	446443.15
3762291.63	0.69836		
446071.80	3762055.49	0.43943	446072.08
3761983.13	0.43904		
446138.18	3762002.17	0.47385	445884.94
3762039.75	0.36114		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 160

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5BLOAD ***
INCLUDING SOURCE(S): 5BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	0.17764	447375.98	
3764150.98	0.20306			
447389.75	3764043.04	0.23010	447450.16	
3764031.05	0.23654			
447410.18	3764019.05	0.23749	446891.90	
3764451.22	0.14255			
446959.28	3764451.22	0.14417	446995.28	
3764468.13	0.14269			
447007.41	3764467.30	0.14283	447023.51	
3764466.09	0.14329			
447036.59	3764466.21	0.14357	447052.68	
3764465.61	0.14386			
447066.60	3764465.73	0.14401	447099.65	
3764456.17	0.14577			

447145.28	3764468.27	0.14579	447175.54
3764468.03	0.14761		
447205.32	3764468.27	0.14923	447232.43
3764467.55	0.14898		
447264.02	3764467.30	0.14764	447294.77
3764466.94	0.14775		
447364.97	3764456.41	0.15212	447406.61
3764460.65	0.15301		
447441.47	3764460.04	0.15353	447466.88
3764460.20	0.15395		
447490.00	3764460.56	0.15457	447515.50
3764460.40	0.15546		
447573.06	3764454.29	0.15818	447598.49
3764445.22	0.15890		
447652.90	3764439.70	0.15671	447692.92
3764439.51	0.15681		
447713.82	3764439.11	0.15684	447731.95
3764438.72	0.15674		
447751.07	3764438.72	0.15682	447768.82
3764437.53	0.15687		
447789.12	3764437.73	0.15660	447805.68
3764437.34	0.15672		
447824.02	3764437.20	0.15694	447841.61
3764437.87	0.15732		
447861.72	3764437.53	0.15803	447881.66
3764435.18	0.15909		
447902.78	3764436.19	0.15973	447920.87
3764435.35	0.16055		
447942.16	3764435.35	0.16146	447962.77
3764434.85	0.16245		
447980.70	3764435.18	0.16326	448004.66
3764435.18	0.16487		
448021.25	3764434.68	0.16714	447662.70
3764379.63	0.16282		
447681.30	3764320.98	0.17102	447682.64
3764285.79	0.17863		
447662.53	3764238.37	0.18903	447661.70
3764207.37	0.19655		
447683.14	3764162.29	0.20826	447680.97
3764145.87	0.21268		
447679.63	3764130.28	0.21713	447680.80
3764112.02	0.22234		
447681.47	3764096.43	0.22639	447680.80
3764078.84	0.23064		
447679.96	3764064.26	0.23379	447680.97
3764045.82	0.23773		
447680.63	3764029.74	0.24114	447657.17
3763992.03	0.25057		
447656.33	3763967.06	0.25620	447657.17
3763928.69	0.26600		
447657.17	3763902.21	0.27308	447657.51
3763869.03	0.28405		
447656.16	3763834.94	0.29431	447655.93
3763808.27	0.30224		
447657.09	3763786.00	0.30924	447701.21
3763782.14	0.31144		
447856.92	3763749.71	0.34460	447854.99
3763730.13	0.35395		
447854.35	3763698.35	0.37018	447855.31
3763676.84	0.38197		
447675.51	3763287.46	0.70193	448481.33
3763485.29	0.50193		
448479.95	3763195.53	0.86937	448478.56
3762907.16	1.91099		
448497.89	3762714.10	2.92288	448507.91
3762487.71	2.68946		

PAGE 161

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5BLOAD ***
 INCLUDING SOURCE(S): 5BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	2.31552	448462.73	
3762339.82	2.30759			
448464.47	3762265.93	1.93991	448461.57	
3762165.17	1.54845			
448472.57	3762064.71	1.25506	448460.48	
3762016.72	1.18088			
448234.63	3761951.18	1.50619	448081.42	
3761952.78	1.99114			
448025.53	3761955.99	2.24031	447506.75	
3761967.63	5.43173			
447269.29	3761967.74	4.10783	447389.46	
3761908.79	4.08355			
447019.14	3761964.34	2.13648	447060.33	
3761963.58	2.37137			
446975.31	3761963.20	1.91571	446940.92	
3761953.76	1.75487			
446865.72	3761974.54	1.49816	446795.06	
3761957.91	1.28272			
446757.65	3761965.85	1.19351	446709.33	
3761967.74	1.08869			
446796.42	3762028.62	1.31230	446796.97	
3762045.28	1.31867			
446796.70	3762089.51	1.32964	446796.15	
3762105.89	1.33080			
446796.70	3762137.29	1.33610	446796.15	
3762153.39	1.33556			
446772.40	3762215.37	1.26781	446795.06	
3762321.03	1.30657			
446796.42	3762450.98	1.23848	446796.42	
3762471.18	1.22362			
446797.24	3762496.03	1.20643	446798.06	
3762516.51	1.19181			
446797.79	3762539.98	1.17159	446797.52	
3762560.19	1.15371			
446798.61	3762584.76	1.13462	446798.06	
3762604.42	1.11565			
446799.70	3762654.11	1.07282	446799.97	
3762674.58	0.93076			
446800.25	3762700.25	0.89835	446800.25	
3762721.27	0.87620			
446799.97	3762735.74	0.86194	446797.79	
3762748.02	0.84739			
446802.16	3762913.47	0.71208	446802.16	
3762932.58	0.69666			
446802.43	3762949.24	0.68370	446802.98	

447094.33	3762890.05	1.09396	447071.04
3762890.45	1.05585		
447043.61	3762889.66	1.01556	447017.76
3762888.87	0.97926		
446992.11	3762889.07	0.94308	446964.28
3762888.28	0.90744		
446940.41	3762888.47	0.87865	446911.20
3762888.08	0.84725		
446885.35	3762889.66	0.81530	446862.07
3762888.87	0.79043		
446871.45	3762779.57	0.91876	446926.31
3762768.72	1.02013		
446983.74	3762774.24	1.11747	447009.00
3762774.05	1.17020		
447030.51	3762774.44	1.22364	447055.37
3762774.05	1.28610		
447076.88	3762774.24	1.33598	447101.16
3762774.44	1.38886		
447123.85	3762774.05	1.44984	447148.12
3762775.03	1.50936		
447170.23	3762774.84	1.57093	447196.78
3762775.48	1.65197		
447242.12	3762776.57	1.79445	447262.33
3762776.03	1.86765		
447294.56	3762776.30	1.98503	447313.13
3762775.48	2.05476		
447313.40	3762749.53	2.21483	447327.86
3762713.09	2.56556		
447327.36	3762679.87	3.37234	447327.74
3762657.02	3.64703		
447327.28	3762636.82	3.90691	447327.51
3762612.90	4.25567		
447327.28	3762592.24	4.57873	447327.04
3762569.71	4.96235		
447327.28	3762547.89	5.37488	447326.58
3762524.67	5.82500		
447326.58	3762506.09	6.21943	447327.51
3762477.53	6.89257		
447325.88	3762454.31	7.36346	447225.58
3762432.95	4.64177		
447200.27	3762430.63	4.16568	447156.85
3762430.16	3.49143		
447131.77	3762430.86	3.17250	447102.74
3762430.63	2.86124		
447079.06	3762430.86	2.64055	447034.94
3762433.65	2.28925		
446995.47	3762433.65	2.03812	446972.71
3762434.34	1.91159		
446941.37	3762434.58	1.75725	446916.06
3762436.90	1.64425		
446876.35	3762436.90	1.49288	446848.85
3762647.05	1.18461		
446848.85	3762563.17	1.27754	446849.17
3762509.82	1.33370		
446849.17	3762455.82	1.38514	446848.85
3762702.00	0.97342		
446849.49	3762754.71	0.91262	446739.81
3762428.53	1.11651		
446711.81	3762423.61	1.05945	446687.25
3762416.25	1.01444		
446662.20	3762412.32	0.97002	446636.17
3762403.97	0.92853		
449981.72	3762732.45	0.54936	446486.82
3762231.95	0.75281		
446261.97	3762068.01	0.55181	446443.15
3762291.63	0.69837		

446071.80 3762055.49 0.43944 446072.08
 3761983.13 0.43904
 446138.18 3762002.17 0.47385 445884.94
 3762039.75 0.36115

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 163

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5BREF ***
 INCLUDING SOURCE(S): 5BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.18753	447375.98	
3764150.98	0.21508			
447389.75	3764043.04	0.24505	447450.16	
3764031.05	0.25359			
447410.18	3764019.05	0.25371	446891.90	
3764451.22	0.14970			
446959.28	3764451.22	0.15138	446995.28	
3764468.13	0.14940			
447007.41	3764467.30	0.14937	447023.51	
3764466.09	0.14966			
447036.59	3764466.21	0.14978	447052.68	
3764465.61	0.14985			
447066.60	3764465.73	0.14981	447099.65	
3764456.17	0.15129			
447145.28	3764468.27	0.15100	447175.54	
3764468.03	0.15306			
447205.32	3764468.27	0.15503	447232.43	
3764467.55	0.15482			
447264.02	3764467.30	0.15350	447294.77	
3764466.94	0.15400			
447364.97	3764456.41	0.16004	447406.61	
3764460.65	0.16167			
447441.47	3764460.04	0.16255	447466.88	
3764460.20	0.16311			
447490.00	3764460.56	0.16376	447515.50	
3764460.40	0.16460			
447573.06	3764454.29	0.16695	447598.49	
3764445.22	0.16722			
447652.90	3764439.70	0.16356	447692.92	
3764439.51	0.16316			
447713.82	3764439.11	0.16299	447731.95	
3764438.72	0.16272			
447751.07	3764438.72	0.16269	447768.82	
3764437.53	0.16261			
447789.12	3764437.73	0.16216	447805.68	
3764437.34	0.16217			
447824.02	3764437.20	0.16227	447841.61	
3764437.87	0.16255			
447861.72	3764437.53	0.16315	447881.66	
3764435.18	0.16408			
447902.78	3764436.19	0.16457	447920.87	

3764435.35	0.16528		
447942.16	3764435.35	0.16608	447962.77
3764434.85	0.16703		
447980.70	3764435.18	0.16785	448004.66
3764435.18	0.16964		
448021.25	3764434.68	0.17233	447662.70
3764379.63	0.16966		
447681.30	3764320.98	0.17810	447682.64
3764285.79	0.18650		
447662.53	3764238.37	0.19832	447661.70
3764207.37	0.20677		
447683.14	3764162.29	0.21952	447680.97
3764145.87	0.22454		
447679.63	3764130.28	0.22962	447680.80
3764112.02	0.23550		
447681.47	3764096.43	0.23998	447680.80
3764078.84	0.24465		
447679.96	3764064.26	0.24802	447680.97
3764045.82	0.25218		
447680.63	3764029.74	0.25577	447657.17
3763992.03	0.26658		
447656.33	3763967.06	0.27252	447657.17
3763928.69	0.28294		
447657.17	3763902.21	0.29049	447657.51
3763869.03	0.30250		
447656.16	3763834.94	0.31351	447655.93
3763808.27	0.32188		
447657.09	3763786.00	0.32922	447701.21
3763782.14	0.32992		
447856.92	3763749.71	0.36471	447854.99
3763730.13	0.37505		
447854.35	3763698.35	0.39306	447855.31
3763676.84	0.40620		
447675.51	3763287.46	0.77227	448481.33
3763485.29	0.52140		
448479.95	3763195.53	0.87807	448478.56
3762907.16	1.93366		
448497.89	3762714.10	3.03800	448507.91
3762487.71	2.83092		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 164

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5BREF ***
 INCLUDING SOURCE(S): 5BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
-----	-----	-----	-----	-----
448480.49	3762357.96	2.21782	448462.73	
3762339.82	2.18471			
448464.47	3762265.93	1.78116	448461.57	
3762165.17	1.43581			
448472.57	3762064.71	1.19990	448460.48	
3762016.72	1.14097			

448234.63	3761951.18	1.47274	448081.42
3761952.78	1.95456		
448025.53	3761955.99	2.20172	447506.75
3761967.63	5.03312		
447269.29	3761967.74	3.92416	447389.46
3761908.79	3.86991		
447019.14	3761964.34	2.04875	447060.33
3761963.58	2.27425		
446975.31	3761963.20	1.83759	446940.92
3761953.76	1.68505		
446865.72	3761974.54	1.43804	446795.06
3761957.91	1.23405		
446757.65	3761965.85	1.14899	446709.33
3761967.74	1.04931		
446796.42	3762028.62	1.26040	446796.97
3762045.28	1.26634		
446796.70	3762089.51	1.27692	446796.15
3762105.89	1.27864		
446796.70	3762137.29	1.28530	446796.15
3762153.39	1.28588		
446772.40	3762215.37	1.22632	446795.06
3762321.03	1.26972		
446796.42	3762450.98	1.20862	446796.42
3762471.18	1.19467		
446797.24	3762496.03	1.17850	446798.06
3762516.51	1.16474		
446797.79	3762539.98	1.14567	446797.52
3762560.19	1.12888		
446798.61	3762584.76	1.11121	446798.06
3762604.42	1.09360		
446799.70	3762654.11	1.05457	446799.97
3762674.58	0.99632		
446800.25	3762700.25	0.95699	446800.25
3762721.27	0.93530		
446799.97	3762735.74	0.92257	446797.79
3762748.02	0.90883		
446802.16	3762913.47	0.78424	446802.16
3762932.58	0.76841		
446802.43	3762949.24	0.75502	446802.98
3762967.26	0.74093		
446802.70	3762986.09	0.72287	446802.16
3763003.29	0.70367		
446802.16	3763021.86	0.68392	446802.70
3763040.70	0.66445		
446802.98	3763059.26	0.64584	446803.52
3763077.01	0.63020		
446756.29	3763085.26	0.60903	446807.68
3763646.39	0.31212		
446808.32	3763674.66	0.30361	446807.68
3763694.57	0.29728		
446808.32	3763710.63	0.29281	446808.32
3763726.37	0.28839		
446808.00	3763742.11	0.28428	446808.32
3763756.89	0.28051		
446808.64	3763798.32	0.26864	446810.25
3764484.08	0.14303		
446781.34	3764475.08	0.14280	446722.56
3764455.81	0.14284		
446170.32	3764559.79	0.11477	446872.29
3763190.26	0.55613		
446925.22	3763179.19	0.59220	446984.86
3763194.88	0.62114		
447010.56	3763193.28	0.63463	447036.58
3763193.60	0.65112		
447053.61	3763193.28	0.66181	447076.42
3763192.31	0.67561		

447093.45	3763192.63	0.68358	447122.05
3763192.63	0.70437		
447138.75	3763192.31	0.71604	447167.99
3763192.31	0.73488		
447170.68	3763172.18	0.76438	447170.41
3763158.25	0.78490		
447169.31	3763144.87	0.80175	447147.46
3763107.45	0.82980		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 165

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5BREF ***
INCLUDING SOURCE(S): 5BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.86376	447146.92	
3763064.30	0.89821			
447149.92	3763038.90	0.95057	447148.56	
3763019.78	0.98605			
447148.56	3762997.39	1.03471	447206.08	
3762958.49	1.22744			
447209.33	3762922.51	1.34667	447208.40	
3762890.70	1.44312			
447145.83	3762888.87	1.31190	447122.55	
3762889.07	1.26438			
447094.33	3762890.05	1.20759	447071.04	
3762890.45	1.16394			
447043.61	3762889.66	1.11834	447017.76	
3762888.87	1.07736			
446992.11	3762889.07	1.03641	446964.28	
3762888.28	0.99622			
446940.41	3762888.47	0.96505	446911.20	
3762888.08	0.93240			
446885.35	3762889.66	0.89591	446862.07	
3762888.87	0.86755			
446871.45	3762779.57	0.99666	446926.31	
3762768.72	1.11008			
446983.74	3762774.24	1.22371	447009.00	
3762774.05	1.28593			
447030.51	3762774.44	1.35515	447055.37	
3762774.05	1.43252			
447076.88	3762774.24	1.48949	447101.16	
3762774.44	1.54424			
447123.85	3762774.05	1.61467	447148.12	
3762775.03	1.67984			
447170.23	3762774.84	1.74867	447196.78	
3762775.48	1.84499			
447242.12	3762776.57	2.01399	447262.33	
3762776.03	2.10321			
447294.56	3762776.30	2.25045	447313.13	
3762775.48	2.33572			
447313.40	3762749.53	2.51391	447327.86	

3762713.09	2.92534		
447327.36	3762679.87	3.42749	447327.74
3762657.02	3.70138		
447327.28	3762636.82	3.95863	447327.51
3762612.90	4.30255		
447327.28	3762592.24	4.61780	447327.04
3762569.71	4.98748		
447327.28	3762547.89	5.37902	447326.58
3762524.67	5.79374		
447326.58	3762506.09	6.14930	447327.51
3762477.53	6.74123		
447325.88	3762454.31	7.12826	447225.58
3762432.95	4.45849		
447200.27	3762430.63	4.00381	447156.85
3762430.16	3.36225		
447131.77	3762430.86	3.05890	447102.74
3762430.63	2.76228		
447079.06	3762430.86	2.55135	447034.94
3762433.65	2.21634		
446995.47	3762433.65	1.97615	446972.71
3762434.34	1.85504		
446941.37	3762434.58	1.70732	446916.06
3762436.90	1.59894		
446876.35	3762436.90	1.45341	446848.85
3762647.05	1.16467		
446848.85	3762563.17	1.24968	446849.17
3762509.82	1.30203		
446849.17	3762455.82	1.35024	446848.85
3762702.00	1.04126		
446849.49	3762754.71	0.98294	446739.81
3762428.53	1.09034		
446711.81	3762423.61	1.03513	446687.25
3762416.25	0.99145		
446662.20	3762412.32	0.94847	446636.17
3762403.97	0.90820		
449981.72	3762732.45	0.56591	446486.82
3762231.95	0.73523		
446261.97	3762068.01	0.53862	446443.15
3762291.63	0.68365		
446071.80	3762055.49	0.43044	446072.08
3761983.13	0.42915		
446138.18	3762002.17	0.46278	445884.94
3762039.75	0.35462		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 166

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 5BSPILL *** INCLUDING SOURCE(S): 5BSPILL ,


*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.18960	447375.98	
3764150.98	0.21764			

447389.75	3764043.04	0.24838	447450.16
3764031.05	0.25814		
447410.18	3764019.05	0.25758	446891.90
3764451.22	0.15184		
446959.28	3764451.22	0.15354	446995.28
3764468.13	0.15102		
447007.41	3764467.30	0.15080	447023.51
3764466.09	0.15083		
447036.59	3764466.21	0.15074	447052.68
3764465.61	0.15055		
447066.60	3764465.73	0.15031	447099.65
3764456.17	0.15148		
447145.28	3764468.27	0.15109	447175.54
3764468.03	0.15332		
447205.32	3764468.27	0.15552	447232.43
3764467.55	0.15547		
447264.02	3764467.30	0.15428	447294.77
3764466.94	0.15496		
447364.97	3764456.41	0.16175	447406.61
3764460.65	0.16393		
447441.47	3764460.04	0.16517	447466.88
3764460.20	0.16587		
447490.00	3764460.56	0.16651	447515.50
3764460.40	0.16718		
447573.06	3764454.29	0.16868	447598.49
3764445.22	0.16845		
447652.90	3764439.70	0.16381	447692.92
3764439.51	0.16334		
447713.82	3764439.11	0.16328	447731.95
3764438.72	0.16315		
447751.07	3764438.72	0.16330	447768.82
3764437.53	0.16337		
447789.12	3764437.73	0.16305	447805.68
3764437.34	0.16312		
447824.02	3764437.20	0.16322	447841.61
3764437.87	0.16344		
447861.72	3764437.53	0.16389	447881.66
3764435.18	0.16463		
447902.78	3764436.19	0.16487	447920.87
3764435.35	0.16537		
447942.16	3764435.35	0.16594	447962.77
3764434.85	0.16672		
447980.70	3764435.18	0.16745	448004.66
3764435.18	0.16923		
448021.25	3764434.68	0.17204	447662.70
3764379.63	0.16979		
447681.30	3764320.98	0.17826	447682.64
3764285.79	0.18687		
447662.53	3764238.37	0.19905	447661.70
3764207.37	0.20776		
447683.14	3764162.29	0.22087	447680.97
3764145.87	0.22606		
447679.63	3764130.28	0.23130	447680.80
3764112.02	0.23737		
447681.47	3764096.43	0.24197	447680.80
3764078.84	0.24673		
447679.96	3764064.26	0.25014	447680.97
3764045.82	0.25432		
447680.63	3764029.74	0.25792	447657.17
3763992.03	0.26902		
447656.33	3763967.06	0.27497	447657.17
3763928.69	0.28546		
447657.17	3763902.21	0.29304	447657.51
3763869.03	0.30528		
447656.16	3763834.94	0.31638	447655.93
3763808.27	0.32476		

447657.09	3763786.00	0.33210	447701.21
3763782.14	0.33253		
447856.92	3763749.71	0.36674	447854.99
3763730.13	0.37729		
447854.35	3763698.35	0.39569	447855.31
3763676.84	0.40914		
447675.51	3763287.46	0.78598	448481.33
3763485.29	0.52262		
448479.95	3763195.53	0.86521	448478.56
3762907.16	1.88816		
448497.89	3762714.10	3.04512	448507.91
3762487.71	2.87260		


 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 167

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5BSPILL ***
 INCLUDING SOURCE(S): 5BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
448480.49	3762357.96	2.15966	448462.73	
3762339.82	2.11690			
448464.47	3762265.93	1.71091	448461.57	
3762165.17	1.40154			
448472.57	3762064.71	1.18737	448460.48	
3762016.72	1.13099			
448234.63	3761951.18	1.46028	448081.42	
3761952.78	1.94292			
448025.53	3761955.99	2.19026	447506.75	
3761967.63	4.99800			
447269.29	3761967.74	3.95499	447389.46	
3761908.79	3.88283			
447019.14	3761964.34	2.04706	447060.33	
3761963.58	2.27667			
446975.31	3761963.20	1.83390	446940.92	
3761953.76	1.68100			
446865.72	3761974.54	1.43300	446795.06	
3761957.91	1.22948			
446757.65	3761965.85	1.14436	446709.33	
3761967.74	1.04473			
446796.42	3762028.62	1.25414	446796.97	
3762045.28	1.25963			
446796.70	3762089.51	1.26931	446796.15	
3762105.89	1.27106			
446796.70	3762137.29	1.27829	446796.15	
3762153.39	1.27941			
446772.40	3762215.37	1.22249	446795.06	
3762321.03	1.26647			
446796.42	3762450.98	1.20536	446796.42	
3762471.18	1.19119			
446797.24	3762496.03	1.17461	446798.06	
3762516.51	1.16046			
446797.79	3762539.98	1.14096	446797.52	

3762560.19	1.12390		
446798.61	3762584.76	1.10605	446798.06
3762604.42	1.08850		
446799.70	3762654.11	1.05032	446799.97
3762674.58	1.02831		
446800.25	3762700.25	0.98427	446800.25
3762721.27	0.96214		
446799.97	3762735.74	0.94968	446797.79
3762748.02	0.93597		
446802.16	3762913.47	0.81236	446802.16
3762932.58	0.79624		
446802.43	3762949.24	0.78262	446802.98
3762967.26	0.76829		
446802.70	3762986.09	0.74932	446802.16
3763003.29	0.72867		
446802.16	3763021.86	0.70751	446802.70
3763040.70	0.68669		
446802.98	3763059.26	0.66682	446803.52
3763077.01	0.65020		
446756.29	3763085.26	0.63063	446807.68
3763646.39	0.31775		
446808.32	3763674.66	0.30909	446807.68
3763694.57	0.30259		
446808.32	3763710.63	0.29801	446808.32
3763726.37	0.29347		
446808.00	3763742.11	0.28926	446808.32
3763756.89	0.28538		
446808.64	3763798.32	0.27302	446810.25
3764484.08	0.14424		
446781.34	3764475.08	0.14361	446722.56
3764455.81	0.14326		
446170.32	3764559.79	0.11561	446872.29
3763190.26	0.56500		
446925.22	3763179.19	0.60185	446984.86
3763194.88	0.63350		
447010.56	3763193.28	0.64792	447036.58
3763193.60	0.66566		
447053.61	3763193.28	0.67705	447076.42
3763192.31	0.69156		
447093.45	3763192.63	0.69975	447122.05
3763192.63	0.72112		
447138.75	3763192.31	0.73289	447167.99
3763192.31	0.75158		
447170.68	3763172.18	0.78236	447170.41
3763158.25	0.80388		
447169.31	3763144.87	0.82137	447147.46
3763107.45	0.85010		


 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 168

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5BSPILL ***
 INCLUDING SOURCE(S): 5BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			

447146.64	3763084.24	0.88489	447146.92
3763064.30	0.92032		
447149.92	3763038.90	0.97447	447148.56
3763019.78	1.01083		
447148.56	3762997.39	1.06116	447206.08
3762958.49	1.26494		
447209.33	3762922.51	1.39035	447208.40
3762890.70	1.49008		
447145.83	3762888.87	1.35332	447122.55
3762889.07	1.30454		
447094.33	3762890.05	1.24649	447071.04
3762890.45	1.20199		
447043.61	3762889.66	1.15564	447017.76
3762888.87	1.11374		
446992.11	3762889.07	1.07150	446964.28
3762888.28	1.02988		
446940.41	3762888.47	0.99790	446911.20
3762888.08	0.96493		
446885.35	3762889.66	0.92676	446862.07
3762888.87	0.89716		
446871.45	3762779.57	1.02854	446926.31
3762768.72	1.14609		
446983.74	3762774.24	1.26493	447009.00
3762774.05	1.33060		
447030.51	3762774.44	1.40613	447055.37
3762774.05	1.48915		
447076.88	3762774.24	1.54822	447101.16
3762774.44	1.60264		
447123.85	3762774.05	1.67569	447148.12
3762775.03	1.74130		
447170.23	3762774.84	1.81091	447196.78
3762775.48	1.91022		
447242.12	3762776.57	2.08374	447262.33
3762776.03	2.17668		
447294.56	3762776.30	2.33141	447313.13
3762775.48	2.41983		
447313.40	3762749.53	2.60375	447327.86
3762713.09	3.03401		
447327.36	3762679.87	3.41727	447327.74
3762657.02	3.68996		
447327.28	3762636.82	3.94716	447327.51
3762612.90	4.29239		
447327.28	3762592.24	4.60976	447327.04
3762569.71	4.98187		
447327.28	3762547.89	5.37473	447326.58
3762524.67	5.78858		
447326.58	3762506.09	6.14109	447327.51
3762477.53	6.72381		
447325.88	3762454.31	7.10081	447225.58
3762432.95	4.43842		
447200.27	3762430.63	3.98664	447156.85
3762430.16	3.34888		
447131.77	3762430.86	3.04719	447102.74
3762430.63	2.75222		
447079.06	3762430.86	2.54240	447034.94
3762433.65	2.20895		
446995.47	3762433.65	1.96993	446972.71
3762434.34	1.84935		
446941.37	3762434.58	1.70227	446916.06
3762436.90	1.59430		
446876.35	3762436.90	1.44936	446848.85
3762647.05	1.16030		
446848.85	3762563.17	1.24390	446849.17
3762509.82	1.29705		

446849.17	3762455.82	1.34632	446848.85
3762702.00	1.07202		
446849.49	3762754.71	1.01287	446739.81
3762428.53	1.08759		
446711.81	3762423.61	1.03255	446687.25
3762416.25	0.98899		
446662.20	3762412.32	0.94612	446636.17
3762403.97	0.90594		
449981.72	3762732.45	0.57061	446486.82
3762231.95	0.73356		
446261.97	3762068.01	0.53669	446443.15
3762291.63	0.68191		
446071.80	3762055.49	0.42925	446072.08
3761983.13	0.42735		
446138.18	3762002.17	0.46081	445884.94
3762039.75	0.35382		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 169

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CBRE ***
INCLUDING SOURCE(S): 5CBRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	0.20249	447375.98	
3764150.98	0.23408			
447389.75	3764043.04	0.26829	447450.16	
3764031.05	0.27690			
447410.18	3764019.05	0.27782	446891.90	
3764451.22	0.15979			
446959.28	3764451.22	0.16203	446995.28	
3764468.13	0.16040			
447007.41	3764467.30	0.16060	447023.51	
3764466.09	0.16119			
447036.59	3764466.21	0.16155	447052.68	
3764465.61	0.16191			
447066.60	3764465.73	0.16210	447099.65	
3764456.17	0.16418			
447145.28	3764468.27	0.16408	447175.54	
3764468.03	0.16616			
447205.32	3764468.27	0.16801	447232.43	
3764467.55	0.16762			
447264.02	3764467.30	0.16595	447294.77	
3764466.94	0.16603			
447364.97	3764456.41	0.17140	447406.61	
3764460.65	0.17263			
447441.47	3764460.04	0.17345	447466.88	
3764460.20	0.17412			
447490.00	3764460.56	0.17499	447515.50	
3764460.40	0.17621			
447573.06	3764454.29	0.17978	447598.49	
3764445.22	0.18077			
447652.90	3764439.70	0.17832	447692.92	

3764439.51	0.17847		
447713.82	3764439.11	0.17852	447731.95
3764438.72	0.17840		
447751.07	3764438.72	0.17849	447768.82
3764437.53	0.17854		
447789.12	3764437.73	0.17820	447805.68
3764437.34	0.17832		
447824.02	3764437.20	0.17858	447841.61
3764437.87	0.17902		
447861.72	3764437.53	0.17986	447881.66
3764435.18	0.18112		
447902.78	3764436.19	0.18188	447920.87
3764435.35	0.18285		
447942.16	3764435.35	0.18391	447962.77
3764434.85	0.18508		
447980.70	3764435.18	0.18601	448004.66
3764435.18	0.18788		
448021.25	3764434.68	0.19056	447662.70
3764379.63	0.18587		
447681.30	3764320.98	0.19603	447682.64
3764285.79	0.20541		
447662.53	3764238.37	0.21827	447661.70
3764207.37	0.22767		
447683.14	3764162.29	0.24244	447680.97
3764145.87	0.24804		
447679.63	3764130.28	0.25371	447680.80
3764112.02	0.26038		
447681.47	3764096.43	0.26556	447680.80
3764078.84	0.27101		
447679.96	3764064.26	0.27505	447680.97
3764045.82	0.28015		
447680.63	3764029.74	0.28457	447657.17
3763992.03	0.29671		
447656.33	3763967.06	0.30408	447657.17
3763928.69	0.31694		
447657.17	3763902.21	0.32628	447657.51
3763869.03	0.34077		
447656.16	3763834.94	0.35447	447655.93
3763808.27	0.36514		
447657.09	3763786.00	0.37460	447701.21
3763782.14	0.37769		
447856.92	3763749.71	0.42093	447854.99
3763730.13	0.43363		
447854.35	3763698.35	0.45577	447855.31
3763676.84	0.47195		
447675.51	3763287.46	0.95286	448481.33
3763485.29	0.63259		
448479.95	3763195.53	1.24656	448478.56
3762907.16	2.74637		
448497.89	3762714.10	2.96083	448507.91
3762487.71	2.21989		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 170

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CBRE ***
INCLUDING SOURCE(S): 5CBRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	1.73527	448462.73	
3762339.82	1.71567			
448464.47	3762265.93	1.45967	448461.57	
3762165.17	1.22520			
448472.57	3762064.71	1.04170	448460.48	
3762016.72	0.99400			
448234.63	3761951.18	1.24644	448081.42	
3761952.78	1.58245			
448025.53	3761955.99	1.74087	447506.75	
3761967.63	3.09993			
447269.29	3761967.74	2.74675	447389.46	
3761908.79	2.55441			
447019.14	3761964.34	1.78139	447060.33	
3761963.58	1.92554			
446975.31	3761963.20	1.63518	446940.92	
3761953.76	1.51816			
446865.72	3761974.54	1.34024	446795.06	
3761957.91	1.16611			
446757.65	3761965.85	1.09576	446709.33	
3761967.74	1.00900			
446796.42	3762028.62	1.20885	446796.97	
3762045.28	1.21844			
446796.70	3762089.51	1.23934	446796.15	
3762105.89	1.24442			
446796.70	3762137.29	1.25686	446796.15	
3762153.39	1.26047			
446772.40	3762215.37	1.21558	446795.06	
3762321.03	1.28368			
446796.42	3762450.98	1.26704	446796.42	
3762471.18	1.25974			
446797.24	3762496.03	1.25116	446798.06	
3762516.51	1.24316			
446797.79	3762539.98	1.22970	446797.52	
3762560.19	1.21714			
446798.61	3762584.76	1.20434	446798.06	
3762604.42	1.18956			
446799.70	3762654.11	1.15665	446799.97	
3762674.58	1.14109			
446800.25	3762700.25	1.12076	446800.25	
3762721.27	1.10350			
446799.97	3762735.74	1.09094	446797.79	
3762748.02	1.07626			
446802.16	3762913.47	0.93964	446802.16	
3762932.58	0.92256			
446802.43	3762949.24	0.90808	446802.98	
3762967.26	0.89279			
446802.70	3762986.09	0.87567	446802.16	
3763003.29	0.85973			
446802.16	3763021.86	0.84341	446802.70	
3763040.70	0.82761			
446802.98	3763059.26	0.70129	446803.52	
3763077.01	0.68589			
446756.29	3763085.26	0.74379	446807.68	
3763646.39	0.33859			
446808.32	3763674.66	0.32910	446807.68	
3763694.57	0.32211			
446808.32	3763710.63	0.31716	446808.32	
3763726.37	0.31228			
446808.00	3763742.11	0.30768	446808.32	
3763756.89	0.30351			

446808.64	3763798.32	0.29072	446810.25
3764484.08	0.15271		
446781.34	3764475.08	0.15271	446722.56
3764455.81	0.15309		
446170.32	3764559.79	0.11974	446872.29
3763190.26	0.62225		
446925.22	3763179.19	0.66779	446984.86
3763194.88	0.70253		
447010.56	3763193.28	0.72079	447036.58
3763193.60	0.74194		
447053.61	3763193.28	0.75616	447076.42
3763192.31	0.77532		
447093.45	3763192.63	0.78743	447122.05
3763192.63	0.81596		
447138.75	3763192.31	0.83266	447167.99
3763192.31	0.86073		
447170.68	3763172.18	0.89760	447170.41
3763158.25	0.92276		
447169.31	3763144.87	0.94398	447147.46
3763107.45	0.97731		

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 171

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CBRE ***
INCLUDING SOURCE(S): 5CBRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **


X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	1.02031	447146.92	
3763064.30	1.06368			
447149.92	3763038.90	1.12966	447148.56	
3763019.78	1.17429			
447148.56	3762997.39	1.23502	447206.08	
3762958.49	1.49697			
447209.33	3762922.51	1.92254	447208.40	
3762890.70	2.06119			
447145.83	3762888.87	1.82154	447122.55	
3762889.07	1.73702			
447094.33	3762890.05	1.63859	447071.04	
3762890.45	1.56363			
447043.61	3762889.66	1.48374	447017.76	
3762888.87	1.41310			
446992.11	3762889.07	1.34533	446964.28	
3762888.28	1.27832			
446940.41	3762888.47	1.22314	446911.20	
3762888.08	1.16094			
446885.35	3762889.66	1.10692	446862.07	
3762888.87	1.06385			
446871.45	3762779.57	1.20667	446926.31	
3762768.72	1.36349			
446983.74	3762774.24	1.53429	447009.00	
3762774.05	1.62461			
447030.51	3762774.44	1.70717	447055.37	

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.20249	447375.98	
3764150.98	0.23408			
447389.75	3764043.04	0.26829	447450.16	
3764031.05	0.27690			
447410.18	3764019.05	0.27782	446891.90	
3764451.22	0.15979			
446959.28	3764451.22	0.16203	446995.28	
3764468.13	0.16040			
447007.41	3764467.30	0.16060	447023.51	
3764466.09	0.16119			
447036.59	3764466.21	0.16155	447052.68	
3764465.61	0.16191			
447066.60	3764465.73	0.16210	447099.65	
3764456.17	0.16418			
447145.28	3764468.27	0.16408	447175.54	
3764468.03	0.16616			
447205.32	3764468.27	0.16801	447232.43	
3764467.55	0.16762			
447264.02	3764467.30	0.16595	447294.77	
3764466.94	0.16603			
447364.97	3764456.41	0.17140	447406.61	
3764460.65	0.17263			
447441.47	3764460.04	0.17345	447466.88	
3764460.20	0.17412			
447490.00	3764460.56	0.17499	447515.50	
3764460.40	0.17621			
447573.06	3764454.29	0.17978	447598.49	
3764445.22	0.18077			
447652.90	3764439.70	0.17832	447692.92	
3764439.51	0.17847			
447713.82	3764439.11	0.17852	447731.95	
3764438.72	0.17840			
447751.07	3764438.72	0.17849	447768.82	
3764437.53	0.17854			
447789.12	3764437.73	0.17820	447805.68	
3764437.34	0.17832			
447824.02	3764437.20	0.17858	447841.61	
3764437.87	0.17902			
447861.72	3764437.53	0.17986	447881.66	
3764435.18	0.18112			
447902.78	3764436.19	0.18188	447920.87	
3764435.35	0.18285			
447942.16	3764435.35	0.18391	447962.77	
3764434.85	0.18508			
447980.70	3764435.18	0.18601	448004.66	
3764435.18	0.18788			
448021.25	3764434.68	0.19056	447662.70	
3764379.63	0.18587			
447681.30	3764320.98	0.19603	447682.64	
3764285.79	0.20541			
447662.53	3764238.37	0.21827	447661.70	
3764207.37	0.22767			
447683.14	3764162.29	0.24244	447680.97	
3764145.87	0.24804			
447679.63	3764130.28	0.25371	447680.80	
3764112.02	0.26038			

447681.47	3764096.43	0.26556	447680.80
3764078.84	0.27101		
447679.96	3764064.26	0.27505	447680.97
3764045.82	0.28015		
447680.63	3764029.74	0.28457	447657.17
3763992.03	0.29671		
447656.33	3763967.06	0.30408	447657.17
3763928.69	0.31694		
447657.17	3763902.21	0.32628	447657.51
3763869.03	0.34077		
447656.16	3763834.94	0.35447	447655.93
3763808.27	0.36514		
447657.09	3763786.00	0.37460	447701.21
3763782.14	0.37769		
447856.92	3763749.71	0.42093	447854.99
3763730.13	0.43363		
447854.35	3763698.35	0.45577	447855.31
3763676.84	0.47195		
447675.51	3763287.46	0.95286	448481.33
3763485.29	0.63260		
448479.95	3763195.53	1.24657	448478.56
3762907.16	2.74639		
448497.89	3762714.10	2.96085	448507.91
3762487.71	2.21991		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 173

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5CLOAD ***
 INCLUDING SOURCE(S): 5CLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
448480.49	3762357.96	1.73529	448462.73	
3762339.82	1.71568			
448464.47	3762265.93	1.45969	448461.57	
3762165.17	1.22521			
448472.57	3762064.71	1.04171	448460.48	
3762016.72	0.99401			
448234.63	3761951.18	1.24645	448081.42	
3761952.78	1.58246			
448025.53	3761955.99	1.74088	447506.75	
3761967.63	3.09994			
447269.29	3761967.74	2.74676	447389.46	
3761908.79	2.55442			
447019.14	3761964.34	1.78139	447060.33	
3761963.58	1.92555			
446975.31	3761963.20	1.63518	446940.92	
3761953.76	1.51816			
446865.72	3761974.54	1.34025	446795.06	
3761957.91	1.16611			
446757.65	3761965.85	1.09576	446709.33	
3761967.74	1.00900			
446796.42	3762028.62	1.20885	446796.97	

3762045.28	1.21844		
446796.70	3762089.51	1.23935	446796.15
3762105.89	1.24442		
446796.70	3762137.29	1.25687	446796.15
3762153.39	1.26047		
446772.40	3762215.37	1.21559	446795.06
3762321.03	1.28369		
446796.42	3762450.98	1.26705	446796.42
3762471.18	1.25975		
446797.24	3762496.03	1.25117	446798.06
3762516.51	1.24317		
446797.79	3762539.98	1.22971	446797.52
3762560.19	1.21715		
446798.61	3762584.76	1.20435	446798.06
3762604.42	1.18957		
446799.70	3762654.11	1.15666	446799.97
3762674.58	1.14110		
446800.25	3762700.25	1.12077	446800.25
3762721.27	1.10351		
446799.97	3762735.74	1.09095	446797.79
3762748.02	1.07627		
446802.16	3762913.47	0.93965	446802.16
3762932.58	0.92256		
446802.43	3762949.24	0.90808	446802.98
3762967.26	0.89280		
446802.70	3762986.09	0.87568	446802.16
3763003.29	0.85974		
446802.16	3763021.86	0.84341	446802.70
3763040.70	0.82762		
446802.98	3763059.26	0.70129	446803.52
3763077.01	0.68589		
446756.29	3763085.26	0.74380	446807.68
3763646.39	0.33859		
446808.32	3763674.66	0.32910	446807.68
3763694.57	0.32211		
446808.32	3763710.63	0.31716	446808.32
3763726.37	0.31228		
446808.00	3763742.11	0.30768	446808.32
3763756.89	0.30351		
446808.64	3763798.32	0.29072	446810.25
3764484.08	0.15271		
446781.34	3764475.08	0.15271	446722.56
3764455.81	0.15309		
446170.32	3764559.79	0.11974	446872.29
3763190.26	0.62226		
446925.22	3763179.19	0.66779	446984.86
3763194.88	0.70253		
447010.56	3763193.28	0.72080	447036.58
3763193.60	0.74194		
447053.61	3763193.28	0.75616	447076.42
3763192.31	0.77532		
447093.45	3763192.63	0.78743	447122.05
3763192.63	0.81596		
447138.75	3763192.31	0.83266	447167.99
3763192.31	0.86073		
447170.68	3763172.18	0.89760	447170.41
3763158.25	0.92276		
447169.31	3763144.87	0.94398	447147.46
3763107.45	0.97732		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***

*** 09:18:50

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5CLOAD ***
 INCLUDING SOURCE(S) : 5CLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

X-COORD (M)		Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC				
447146.64	3763084.24	1.02031	447146.92		
3763064.30	1.06368				
447149.92	3763038.90	1.12967	447148.56		
3763019.78	1.17429				
447148.56	3762997.39	1.23502	447206.08		
3762958.49	1.49697				
447209.33	3762922.51	1.92256	447208.40		
3762890.70	2.06121				
447145.83	3762888.87	1.82156	447122.55		
3762889.07	1.73704				
447094.33	3762890.05	1.63860	447071.04		
3762890.45	1.56364				
447043.61	3762889.66	1.48376	447017.76		
3762888.87	1.41312				
446992.11	3762889.07	1.34534	446964.28		
3762888.28	1.27833				
446940.41	3762888.47	1.22315	446911.20		
3762888.08	1.16095				
446885.35	3762889.66	1.10693	446862.07		
3762888.87	1.06386				
446871.45	3762779.57	1.20668	446926.31		
3762768.72	1.36350				
446983.74	3762774.24	1.53431	447009.00		
3762774.05	1.62463				
447030.51	3762774.44	1.70719	447055.37		
3762774.05	1.81201				
447076.88	3762774.24	1.90828	447101.16		
3762774.44	2.02522				
447123.85	3762774.05	2.14657	447148.12		
3762775.03	2.28130				
447170.23	3762774.84	2.41905	447196.78		
3762775.48	2.59527				
447242.12	3762776.57	2.93333	447262.33		
3762776.03	3.10897				
447294.56	3762776.30	3.40410	447313.13		
3762775.48	3.59721				
447313.40	3762749.53	3.90689	447327.86		
3762713.09	4.62070				
447327.36	3762679.87	5.16241	447327.74		
3762657.02	5.57689				
447327.28	3762636.82	5.94031	447327.51		
3762612.90	6.40567				
447327.28	3762592.24	6.79285	447327.04		
3762569.71	7.20501				
447327.28	3762547.89	7.60317	447326.58		
3762524.67	7.94286				
447326.58	3762506.09	8.20232	447327.51		
3762477.53	8.57525				
447325.88	3762454.31	8.65226	447225.58		
3762432.95	4.93190				
447200.27	3762430.63	4.38334	447156.85		
3762430.16	3.63927				

447131.77	3762430.86	3.29647	447102.74
3762430.63	2.95980		
447079.06	3762430.86	2.72317	447034.94
3762433.65	2.35556		
446995.47	3762433.65	2.09097	446972.71
3762434.34	1.95918		
446941.37	3762434.58	1.79904	446916.06
3762436.90	1.68343		
446876.35	3762436.90	1.52540	446848.85
3762647.05	1.28658		
446848.85	3762563.17	1.35793	446849.17
3762509.82	1.39544		
446849.17	3762455.82	1.42350	446848.85
3762702.00	1.23324		
446849.49	3762754.71	1.18181	446739.81
3762428.53	1.13176		
446711.81	3762423.61	1.07196	446687.25
3762416.25	1.02408		
446662.20	3762412.32	0.97818	446636.17
3762403.97	0.93453		
449981.72	3762732.45	0.50970	446486.82
3762231.95	0.73697		
446261.97	3762068.01	0.53607	446443.15
3762291.63	0.69043		
446071.80	3762055.49	0.42901	446072.08
3761983.13	0.42696		
446138.18	3762002.17	0.46040	445884.94
3762039.75	0.35379		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 175

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CREF ***
INCLUDING SOURCE(S): 5CREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	0.20792	447375.98	
3764150.98	0.24060			
447389.75	3764043.04	0.27676	447450.16	
3764031.05	0.28736			
447410.18	3764019.05	0.28734	446891.90	
3764451.22	0.16375			
446959.28	3764451.22	0.16627	446995.28	
3764468.13	0.16434			
447007.41	3764467.30	0.16441	447023.51	
3764466.09	0.16484			
447036.59	3764466.21	0.16505	447052.68	
3764465.61	0.16518			
447066.60	3764465.73	0.16515	447099.65	
3764456.17	0.16684			
447145.28	3764468.27	0.16626	447175.54	
3764468.03	0.16842			
447205.32	3764468.27	0.17050	447232.43	

3764467.55	0.17008		
447264.02	3764467.30	0.16837	447294.77
3764466.94	0.16883		
447364.97	3764456.41	0.17580	447406.61
3764460.65	0.17780		
447441.47	3764460.04	0.17897	447466.88
3764460.20	0.17976		
447490.00	3764460.56	0.18065	447515.50
3764460.40	0.18177		
447573.06	3764454.29	0.18482	447598.49
3764445.22	0.18527		
447652.90	3764439.70	0.18119	447692.92
3764439.51	0.18078		
447713.82	3764439.11	0.18060	447731.95
3764438.72	0.18028		
447751.07	3764438.72	0.18023	447768.82
3764437.53	0.18014		
447789.12	3764437.73	0.17960	447805.68
3764437.34	0.17960		
447824.02	3764437.20	0.17972	447841.61
3764437.87	0.18005		
447861.72	3764437.53	0.18077	447881.66
3764435.18	0.18190		
447902.78	3764436.19	0.18251	447920.87
3764435.35	0.18339		
447942.16	3764435.35	0.18439	447962.77
3764434.85	0.18557		
447980.70	3764435.18	0.18659	448004.66
3764435.18	0.18873		
448021.25	3764434.68	0.19186	447662.70
3764379.63	0.18841		
447681.30	3764320.98	0.19841	447682.64
3764285.79	0.20832		
447662.53	3764238.37	0.22235	447661.70
3764207.37	0.23243		
447683.14	3764162.29	0.24781	447680.97
3764145.87	0.25386		
447679.63	3764130.28	0.26001	447680.80
3764112.02	0.26715		
447681.47	3764096.43	0.27261	447680.80
3764078.84	0.27830		
447679.96	3764064.26	0.28242	447680.97
3764045.82	0.28751		
447680.63	3764029.74	0.29190	447657.17
3763992.03	0.30511		
447656.33	3763967.06	0.31243	447657.17
3763928.69	0.32535		
447657.17	3763902.21	0.33473	447657.51
3763869.03	0.34974		
447656.16	3763834.94	0.36355	447655.93
3763808.27	0.37411		
447657.09	3763786.00	0.38342	447701.21
3763782.14	0.38456		
447856.92	3763749.71	0.42885	447854.99
3763730.13	0.44206		
447854.35	3763698.35	0.46512	447855.31
3763676.84	0.48200		
447675.51	3763287.46	0.98634	448481.33
3763485.29	0.61390		
448479.95	3763195.53	1.14528	448478.56
3762907.16	2.61113		
448497.89	3762714.10	3.21307	448507.91
3762487.71	2.24227		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CREF ***
INCLUDING SOURCE(S): 5CREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF OTHER MICROGRAMS/M**3	IN		
X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD
448480.49	3762357.96	1.67432		448462.73	
3762339.82	1.65433				
448464.47	3762265.93	1.41899		448461.57	
3762165.17	1.21407				
448472.57	3762064.71	1.04101		448460.48	
3762016.72	0.99521				
448234.63	3761951.18	1.26187		448081.42	
3761952.78	1.61809				
448025.53	3761955.99	1.78847		447506.75	
3761967.63	3.25652				
447269.29	3761967.74	2.93080		447389.46	
3761908.79	2.68675				
447019.14	3761964.34	1.83861		447060.33	
3761963.58	1.99929				
446975.31	3761963.20	1.67770		446940.92	
3761953.76	1.55235				
446865.72	3761974.54	1.35538		446795.06	
3761957.91	1.17414				
446757.65	3761965.85	1.09992		446709.33	
3761967.74	1.01015				
446796.42	3762028.62	1.21054		446796.97	
3762045.28	1.21873				
446796.70	3762089.51	1.23561		446796.15	
3762105.89	1.23950				
446796.70	3762137.29	1.25000		446796.15	
3762153.39	1.25277				
446772.40	3762215.37	1.20602		446795.06	
3762321.03	1.27450				
446796.42	3762450.98	1.25477		446796.42	
3762471.18	1.24656				
446797.24	3762496.03	1.23675		446798.06	
3762516.51	1.22775				
446797.79	3762539.98	1.21316		446797.52	
3762560.19	1.19962				
446798.61	3762584.76	1.18556		446798.06	
3762604.42	1.16993				
446799.70	3762654.11	1.13520		446799.97	
3762674.58	1.11921				
446800.25	3762700.25	1.09865		446800.25	
3762721.27	1.08145				
446799.97	3762735.74	1.06906		446797.79	
3762748.02	1.05470				
446802.16	3762913.47	0.92224		446802.16	
3762932.58	0.90554				
446802.43	3762949.24	0.89136		446802.98	
3762967.26	0.87635				
446802.70	3762986.09	0.85952		446802.16	
3763003.29	0.84383				

446802.16	3763021.86	0.82773	446802.70
3763040.70	0.77839		
446802.98	3763059.26	0.75649	446803.52
3763077.01	0.73828		
446756.29	3763085.26	0.73053	446807.68
3763646.39	0.35130		
446808.32	3763674.66	0.34165	446807.68
3763694.57	0.33441		
446808.32	3763710.63	0.32936	446808.32
3763726.37	0.32436		
446808.00	3763742.11	0.31970	446808.32
3763756.89	0.31545		
446808.64	3763798.32	0.30188	446810.25
3764484.08	0.15583		
446781.34	3764475.08	0.15558	446722.56
3764455.81	0.15581		
446170.32	3764559.79	0.12217	446872.29
3763190.26	0.65013		
446925.22	3763179.19	0.69617	446984.86
3763194.88	0.73389		
447010.56	3763193.28	0.75185	447036.58
3763193.60	0.77470		
447053.61	3763193.28	0.78998	447076.42
3763192.31	0.81036		
447093.45	3763192.63	0.82305	447122.05
3763192.63	0.85493		
447138.75	3763192.31	0.87325	447167.99
3763192.31	0.90362		
447170.68	3763172.18	0.94267	447170.41
3763158.25	0.96939		
447169.31	3763144.87	0.99104	447147.46
3763107.45	1.02122		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 177

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CREF ***
INCLUDING SOURCE(S): 5CREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447146.64	3763084.24	1.06519	447146.92	
3763064.30	1.11063			
447149.92	3763038.90	1.18152	447148.56	
3763019.78	1.22945			
447148.56	3762997.39	1.29706	447206.08	
3762958.49	1.58564			
447209.33	3762922.51	1.76019	447208.40	
3762890.70	1.97803			
447145.83	3762888.87	1.75815	447122.55	
3762889.07	1.68008			
447094.33	3762890.05	1.58859	447071.04	
3762890.45	1.51861			
447043.61	3762889.66	1.44374	447017.76	

3762888.87	1.37714		
446992.11	3762889.07	1.31282	446964.28
3762888.28	1.24897		
446940.41	3762888.47	1.19614	446911.20
3762888.08	1.13641		
446885.35	3762889.66	1.08433	446862.07
3762888.87	1.04273		
446871.45	3762779.57	1.18128	446926.31
3762768.72	1.33315		
446983.74	3762774.24	1.49795	447009.00
3762774.05	1.58481		
447030.51	3762774.44	1.66399	447055.37
3762774.05	1.76424		
447076.88	3762774.24	1.85595	447101.16
3762774.44	1.96687		
447123.85	3762774.05	2.08149	447148.12
3762775.03	2.20779		
447170.23	3762774.84	2.33627	447196.78
3762775.48	2.49917		
447242.12	3762776.57	2.80777	447262.33
3762776.03	2.96695		
447294.56	3762776.30	3.23201	447313.13
3762775.48	3.40503		
447313.40	3762749.53	3.69753	447327.86
3762713.09	4.36226		
447327.36	3762679.87	4.88051	447327.74
3762657.02	5.27877		
447327.28	3762636.82	5.63088	447327.51
3762612.90	6.08228		
447327.28	3762592.24	6.46170	447327.04
3762569.71	6.87149		
447327.28	3762547.89	7.27619	447326.58
3762524.67	7.64193		
447326.58	3762506.09	7.93292	447327.51
3762477.53	8.36712		
447325.88	3762454.31	8.50185	447225.58
3762432.95	4.87096		
447200.27	3762430.63	4.33158	447156.85
3762430.16	3.59853		
447131.77	3762430.86	3.26005	447102.74
3762430.63	2.92838		
447079.06	3762430.86	2.69533	447034.94
3762433.65	2.33189		
446995.47	3762433.65	2.07046	446972.71
3762434.34	1.94005		
446941.37	3762434.58	1.78142	446916.06
3762436.90	1.66680		
446876.35	3762436.90	1.51072	446848.85
3762647.05	1.26151		
446848.85	3762563.17	1.33681	446849.17
3762509.82	1.37759		
446849.17	3762455.82	1.40878	446848.85
3762702.00	1.20762		
446849.49	3762754.71	1.15713	446739.81
3762428.53	1.12226		
446711.81	3762423.61	1.06320	446687.25
3762416.25	1.01599		
446662.20	3762412.32	0.97056	446636.17
3762403.97	0.92742		
449981.72	3762732.45	0.51976	446486.82
3762231.95	0.73162		
446261.97	3762068.01	0.53160	446443.15
3762291.63	0.68590		
446071.80	3762055.49	0.42578	446072.08
3761983.13	0.42355		
446138.18	3762002.17	0.45661	445884.94

3762039.75 0.35136

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22 *** AERMET - VERSION 16216 *** *** 09:18:50

PAGE 178

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 5CSPILL *** INCLUDING SOURCE(S): 5CSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.21016	447375.98	
3764150.98	0.24337			
447389.75	3764043.04	0.28059	447450.16	
3764031.05	0.29271			
447410.18	3764019.05	0.29186	446891.90	
3764451.22	0.16569			
446959.28	3764451.22	0.16881	446995.28	
3764468.13	0.16666			
447007.41	3764467.30	0.16659	447023.51	
3764466.09	0.16679			
447036.59	3764466.21	0.16679	447052.68	
3764465.61	0.16664			
447066.60	3764465.73	0.16635	447099.65	
3764456.17	0.16754			
447145.28	3764468.27	0.16651	447175.54	
3764468.03	0.16872			
447205.32	3764468.27	0.17097	447232.43	
3764467.55	0.17068			
447264.02	3764467.30	0.16912	447294.77	
3764466.94	0.16982			
447364.97	3764456.41	0.17763	447406.61	
3764460.65	0.18024			
447441.47	3764460.04	0.18184	447466.88	
3764460.20	0.18283			
447490.00	3764460.56	0.18377	447515.50	
3764460.40	0.18476			
447573.06	3764454.29	0.18701	447598.49	
3764445.22	0.18693			
447652.90	3764439.70	0.18172	447692.92	
3764439.51	0.18120			
447713.82	3764439.11	0.18111	447731.95	
3764438.72	0.18092			
447751.07	3764438.72	0.18104	447768.82	
3764437.53	0.18108			
447789.12	3764437.73	0.18064	447805.68	
3764437.34	0.18067			
447824.02	3764437.20	0.18075	447841.61	
3764437.87	0.18097			
447861.72	3764437.53	0.18151	447881.66	
3764435.18	0.18240			
447902.78	3764436.19	0.18275	447920.87	
3764435.35	0.18341			
447942.16	3764435.35	0.18421	447962.77	
3764434.85	0.18527			

447980.70	3764435.18	0.18624	448004.66
3764435.18	0.18849		
448021.25	3764434.68	0.19186	447662.70
3764379.63	0.18880		
447681.30	3764320.98	0.19883	447682.64
3764285.79	0.20904		
447662.53	3764238.37	0.22352	447661.70
3764207.37	0.23393		
447683.14	3764162.29	0.24973	447680.97
3764145.87	0.25600		
447679.63	3764130.28	0.26237	447680.80
3764112.02	0.26980		
447681.47	3764096.43	0.27544	447680.80
3764078.84	0.28128		
447679.96	3764064.26	0.28544	447680.97
3764045.82	0.29055		
447680.63	3764029.74	0.29496	447657.17
3763992.03	0.30861		
447656.33	3763967.06	0.31594	447657.17
3763928.69	0.32895		
447657.17	3763902.21	0.33840	447657.51
3763869.03	0.35375		
447656.16	3763834.94	0.36769	447655.93
3763808.27	0.37826		
447657.09	3763786.00	0.38755	447701.21
3763782.14	0.38812		
447856.92	3763749.71	0.43228	447854.99
3763730.13	0.44582		
447854.35	3763698.35	0.46955	447855.31
3763676.84	0.48698		
447675.51	3763287.46	1.00628	448481.33
3763485.29	0.61029		
448479.95	3763195.53	1.11880	448478.56
3762907.16	2.58335		
448497.89	3762714.10	3.33762	448507.91
3762487.71	2.19723		

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 179

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5CSPILL ***
 INCLUDING SOURCE(S): 5CSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	1.61003	448462.73	
3762339.82	1.59413			
448464.47	3762265.93	1.38725	448461.57	
3762165.17	1.20187			
448472.57	3762064.71	1.03209	448460.48	
3762016.72	0.98665			
448234.63	3761951.18	1.25550	448081.42	
3761952.78	1.61181			
448025.53	3761955.99	1.78272	447506.75	

3761967.63	3.23713		
447269.29	3761967.74	2.95461	447389.46
3761908.79	2.67999		
447019.14	3761964.34	1.84837	447060.33
3761963.58	2.01298		
446975.31	3761963.20	1.68298	446940.92
3761953.76	1.55534		
446865.72	3761974.54	1.35297	446795.06
3761957.91	1.17118		
446757.65	3761965.85	1.09678	446709.33
3761967.74	1.00710		
446796.42	3762028.62	1.20677	446796.97
3762045.28	1.21475		
446796.70	3762089.51	1.23066	446796.15
3762105.89	1.23416		
446796.70	3762137.29	1.24383	446796.15
3762153.39	1.24619		
446772.40	3762215.37	1.19913	446795.06
3762321.03	1.27051		
446796.42	3762450.98	1.25137	446796.42
3762471.18	1.24321		
446797.24	3762496.03	1.23352	446798.06
3762516.51	1.22461		
446797.79	3762539.98	1.21004	446797.52
3762560.19	1.19641		
446798.61	3762584.76	1.18206	446798.06
3762604.42	1.16611		
446799.70	3762654.11	1.13047	446799.97
3762674.58	1.11423		
446800.25	3762700.25	1.09355	446800.25
3762721.27	1.07646		
446799.97	3762735.74	1.06426	446797.79
3762748.02	1.05014		
446802.16	3762913.47	0.92093	446802.16
3762932.58	0.90426		
446802.43	3762949.24	0.89008	446802.98
3762967.26	0.87508		
446802.70	3762986.09	0.85828	446802.16
3763003.29	0.84264		
446802.16	3763021.86	0.82660	446802.70
3763040.70	0.80935		
446802.98	3763059.26	0.78539	446803.52
3763077.01	0.76588		
446756.29	3763085.26	0.72961	446807.68
3763646.39	0.35774		
446808.32	3763674.66	0.34801	446807.68
3763694.57	0.34062		
446808.32	3763710.63	0.33554	446808.32
3763726.37	0.33049		
446808.00	3763742.11	0.32581	446808.32
3763756.89	0.32152		
446808.64	3763798.32	0.30759	446810.25
3764484.08	0.15673		
446781.34	3764475.08	0.15623	446722.56
3764455.81	0.15645		
446170.32	3764559.79	0.12293	446872.29
3763190.26	0.66502		
446925.22	3763179.19	0.71069	446984.86
3763194.88	0.74944		
447010.56	3763193.28	0.76708	447036.58
3763193.60	0.79116		
447053.61	3763193.28	0.80731	447076.42
3763192.31	0.82886		
447093.45	3763192.63	0.84226	447122.05
3763192.63	0.87668		
447138.75	3763192.31	0.89623	447167.99

447327.28	3762636.82	5.62602	447327.51
3762612.90	6.07350		
447327.28	3762592.24	6.44652	447327.04
3762569.71	6.84718		
447327.28	3762547.89	7.24407	447326.58
3762524.67	7.60698		
447326.58	3762506.09	7.90013	447327.51
3762477.53	8.33953		
447325.88	3762454.31	8.47497	447225.58
3762432.95	4.85502		
447200.27	3762430.63	4.31762	447156.85
3762430.16	3.58777		
447131.77	3762430.86	3.25055	447102.74
3762430.63	2.92022		
447079.06	3762430.86	2.68814	447034.94
3762433.65	2.32582		
446995.47	3762433.65	2.06510	446972.71
3762434.34	1.93501		
446941.37	3762434.58	1.77666	446916.06
3762436.90	1.66228		
446876.35	3762436.90	1.50665	446848.85
3762647.05	1.25609		
446848.85	3762563.17	1.33300	446849.17
3762509.82	1.37399		
446849.17	3762455.82	1.40493	446848.85
3762702.00	1.20201		
446849.49	3762754.71	1.15274	446739.81
3762428.53	1.11939		
446711.81	3762423.61	1.06050	446687.25
3762416.25	1.01345		
446662.20	3762412.32	0.96814	446636.17
3762403.97	0.92512		
449981.72	3762732.45	0.51977	446486.82
3762231.95	0.72902		
446261.97	3762068.01	0.52871	446443.15
3762291.63	0.68427		
446071.80	3762055.49	0.42376	446072.08
3761983.13	0.42132		
446138.18	3762002.17	0.45414	445884.94
3762039.75	0.34993		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 181

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 6AIDLE ***

INCLUDING SOURCE(S): L0000382 , L0000383 ,
L0000384 , L0000385 , L0000386 ,
L0000387 , L0000388 , L0000389 , L0000390 , L0000391 ,
L0000392 , L0000393 , L0000394 ,
L0000395 , L0000396 , L0000397 , L0000398 , L0000399 ,
L0000400 , L0000401 , L0000402 ,
L0000403 , L0000404 , L0000405 , L0000406 , L0000407 ,
L0000408 , L0000409 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M)
(M) CONC

447362.21	3764292.67	0.22900	447375.98
3764150.98	0.26568		
447389.75	3764043.04	0.30501	447450.16
3764031.05	0.31925		
447410.18	3764019.05	0.31719	446891.90
3764451.22	0.16718		
446959.28	3764451.22	0.17212	446995.28
3764468.13	0.17206		
447007.41	3764467.30	0.17274	447023.51
3764466.09	0.17397		
447036.59	3764466.21	0.17485	447052.68
3764465.61	0.17584		
447066.60	3764465.73	0.17656	447099.65
3764456.17	0.17989		
447145.28	3764468.27	0.18125	447175.54
3764468.03	0.18425		
447205.32	3764468.27	0.18692	447232.43
3764467.55	0.18701		
447264.02	3764467.30	0.18567	447294.77
3764466.94	0.18610		
447364.97	3764456.41	0.19283	447406.61
3764460.65	0.19479		
447441.47	3764460.04	0.19638	447466.88
3764460.20	0.19777		
447490.00	3764460.56	0.19949	447515.50
3764460.40	0.20182		
447573.06	3764454.29	0.20857	447598.49
3764445.22	0.21097		
447652.90	3764439.70	0.21058	447692.92
3764439.51	0.21266		
447713.82	3764439.11	0.21364	447731.95
3764438.72	0.21422		
447751.07	3764438.72	0.21505	447768.82
3764437.53	0.21570		
447789.12	3764437.73	0.21582	447805.68
3764437.34	0.21635		
447824.02	3764437.20	0.21696	447841.61
3764437.87	0.21768		
447861.72	3764437.53	0.21882	447881.66
3764435.18	0.22034		
447902.78	3764436.19	0.22104	447920.87
3764435.35	0.22192		
447942.16	3764435.35	0.22270	447962.77
3764434.85	0.22349		
447980.70	3764435.18	0.22396	448004.66
3764435.18	0.22532		
448021.25	3764434.68	0.22822	447662.70
3764379.63	0.22087		
447681.30	3764320.98	0.23498	447682.64
3764285.79	0.24708		
447662.53	3764238.37	0.26248	447661.70
3764207.37	0.27455		
447683.14	3764162.29	0.29518	447680.97
3764145.87	0.30230		
447679.63	3764130.28	0.30957	447680.80
3764112.02	0.31836		
447681.47	3764096.43	0.32523	447680.80
3764078.84	0.33238		
447679.96	3764064.26	0.33767	447680.97
3764045.82	0.34455		
447680.63	3764029.74	0.35041	447657.17
3763992.03	0.36415		
447656.33	3763967.06	0.37382	447657.17
3763928.69	0.39097		

447657.17	3763902.21	0.40339	447657.51
3763869.03	0.42259		
447656.16	3763834.94	0.44062	447655.93
3763808.27	0.45487		
447657.09	3763786.00	0.46774	447701.21
3763782.14	0.47924		
447856.92	3763749.71	0.55693	447854.99
3763730.13	0.57602		
447854.35	3763698.35	0.60979	447855.31
3763676.84	0.63488		
447675.51	3763287.46	1.35329	448481.33
3763485.29	1.06724		
448479.95	3763195.53	2.64450	448478.56
3762907.16	9.83078		
448497.89	3762714.10	9.52694	448507.91
3762487.71	3.50413		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 182

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 6AIDLE ***

INCLUDING SOURCE(S): L0000382 , L0000383 ,
L0000384 , L0000385 , L0000386 ,
L0000387 , L0000388 , L0000389 , L0000390 , L0000391 ,
L0000392 , L0000393 , L0000394 ,
L0000395 , L0000396 , L0000397 , L0000398 , L0000399 ,
L0000400 , L0000401 , L0000402 ,
L0000403 , L0000404 , L0000405 , L0000406 , L0000407 ,
L0000408 , L0000409 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	2.66167	448462.73	
3762339.82	2.64438			
448464.47	3762265.93	2.20340	448461.57	
3762165.17	1.76990			
448472.57	3762064.71	1.42208	448460.48	
3762016.72	1.31617			
448234.63	3761951.18	1.39143	448081.42	
3761952.78	1.49937			
448025.53	3761955.99	1.53379	447506.75	
3761967.63	1.30357			
447269.29	3761967.74	0.98219	447389.46	
3761908.79	1.06891			
447019.14	3761964.34	0.70692	447060.33	
3761963.58	0.74490			
446975.31	3761963.20	0.66854	446940.92	
3761953.76	0.63826			
446865.72	3761974.54	0.58749	446795.06	
3761957.91	0.53798			
446757.65	3761965.85	0.51646	446709.33	
3761967.74	0.48939			
446796.42	3762028.62	0.54854	446796.97	
3762045.28	0.55102			

446796.70	3762089.51	0.55675	446796.15
3762105.89	0.55815		
446796.70	3762137.29	0.56175	446796.15
3762153.39	0.56292		
446772.40	3762215.37	0.55196	446795.06
3762321.03	0.57489		
446796.42	3762450.98	0.58093	446796.42
3762471.18	0.58120		
446797.24	3762496.03	0.58192	446798.06
3762516.51	0.58241		
446797.79	3762539.98	0.58174	446797.52
3762560.19	0.58090		
446798.61	3762584.76	0.58072	446798.06
3762604.42	0.57932		
446799.70	3762654.11	0.57713	446799.97
3762674.58	0.57546		
446800.25	3762700.25	0.57298	446800.25
3762721.27	0.57060		
446799.97	3762735.74	0.56866	446797.79
3762748.02	0.56548		
446802.16	3762913.47	0.54178	446802.16
3762932.58	0.53805		
446802.43	3762949.24	0.53490	446802.98
3762967.26	0.53158		
446802.70	3762986.09	0.52744	446802.16
3763003.29	0.52339		
446802.16	3763021.86	0.51934	446802.70
3763040.70	0.51550		
446802.98	3763059.26	0.51149	446803.52
3763077.01	0.50779		
446756.29	3763085.26	0.47876	446807.68
3763646.39	0.30632		
446808.32	3763674.66	0.29981	446807.68
3763694.57	0.29477		
446808.32	3763710.63	0.29132	446808.32
3763726.37	0.28783		
446808.00	3763742.11	0.28454	446808.32
3763756.89	0.28157		
446808.64	3763798.32	0.27192	446810.25
3764484.08	0.15755		
446781.34	3764475.08	0.15647	446722.56
3764455.81	0.15473		
446170.32	3764559.79	0.11609	446872.29
3763190.26	0.51682		
446925.22	3763179.19	0.55138	446984.86
3763194.88	0.59466		
447010.56	3763193.28	0.60677	447036.58
3763193.60	0.62748		
447053.61	3763193.28	0.64181	447076.42
3763192.31	0.66004		
447093.45	3763192.63	0.66470	447122.05
3763192.63	0.70238		
447138.75	3763192.31	0.72135	447167.99
3763192.31	0.75634		
447170.68	3763172.18	0.77869	447170.41
3763158.25	0.78946		
447169.31	3763144.87	0.79671	447147.46
3763107.45	0.78747		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6AIDLE ***


INCLUDING SOURCE(S) : L0000382 , L0000383 ,
L0000384 , L0000385 , L0000386 ,
L0000387 , L0000388 , L0000389 , L0000390 , L0000391 ,
L0000392 , L0000393 , L0000394 ,
L0000395 , L0000396 , L0000397 , L0000398 , L0000399 ,
L0000400 , L0000401 , L0000402 ,
L0000403 , L0000404 , L0000405 , L0000406 , L0000407 ,
L0000408 , L0000409 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.80591	447146.92	
3763064.30	0.81800			
447149.92	3763038.90	0.83688	447148.56	
3763019.78	0.84612			
447148.56	3762997.39	0.85895	447206.08	
3762958.49	0.97386			
447209.33	3762922.51	1.00347	447208.40	
3762890.70	1.02172			
447145.83	3762888.87	0.91285	447122.55	
3762889.07	0.87663			
447094.33	3762890.05	0.83543	447071.04	
3762890.45	0.80389			
447043.61	3762889.66	0.76960	447017.76	
3762888.87	0.73940			
446992.11	3762889.07	0.71098	446964.28	
3762888.28	0.68238			
446940.41	3762888.47	0.65909	446911.20	
3762888.08	0.63247			
446885.35	3762889.66	0.60984	446862.07	
3762888.87	0.59105			
446871.45	3762779.57	0.61999	446926.31	
3762768.72	0.67266			
446983.74	3762774.24	0.73235	447009.00	
3762774.05	0.76202			
447030.51	3762774.44	0.78881	447055.37	
3762774.05	0.82189			
447076.88	3762774.24	0.85214	447101.16	
3762774.44	0.88844			
447123.85	3762774.05	0.92499	447148.12	
3762775.03	0.96628			
447170.23	3762774.84	1.00703	447196.78	
3762775.48	1.05950			
447242.12	3762776.57	1.15996	447262.33	
3762776.03	1.21043			
447294.56	3762776.30	1.29800	447313.13	
3762775.48	1.35382			
447313.40	3762749.53	1.37118	447327.86	
3762713.09	1.43927			
447327.36	3762679.87	1.45301	447327.74	
3762657.02	1.46231			
447327.28	3762636.82	1.46606	447327.51	
3762612.90	1.47109			
447327.28	3762592.24	1.47253	447327.04	
3762569.71	1.47252			
447327.28	3762547.89	1.47262	447326.58	
3762524.67	1.46784			

447326.58	3762506.09	1.46482	447327.51
3762477.53	1.46103		
447325.88	3762454.31	1.44836	447225.58
3762432.95	1.16322		
447200.27	3762430.63	1.10594	447156.85
3762430.16	1.01797		
447131.77	3762430.86	0.97239	447102.74
3762430.63	0.92320		
447079.06	3762430.86	0.88587	447034.94
3762433.65	0.82310		
446995.47	3762433.65	0.77269	446972.71
3762434.34	0.74593		
446941.37	3762434.58	0.71160	446916.06
3762436.90	0.68572		
446876.35	3762436.90	0.64768	446848.85
3762647.05	0.61777		
446848.85	3762563.17	0.62293	446849.17
3762509.82	0.62442		
446849.17	3762455.82	0.62404	446848.85
3762702.00	0.61184		
446849.49	3762754.71	0.60528	446739.81
3762428.53	0.53937		
446711.81	3762423.61	0.52081	446687.25
3762416.25	0.50529		
446662.20	3762412.32	0.49033	446636.17
3762403.97	0.47549		
449981.72	3762732.45	0.61837	446486.82
3762231.95	0.39981		
446261.97	3762068.01	0.31781	446443.15
3762291.63	0.38387		
446071.80	3762055.49	0.26967	446072.08
3761983.13	0.26828		
446138.18	3762002.17	0.28393	445884.94
3762039.75	0.23290		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 184

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 6AON ***

INCLUDING SOURCE(S): L0000417 , L0000418 ,
 L0000419 , L0000420 , L0000421 ,
 L0000422 , L0000423 , L0000424 , L0000425 , L0000426 ,
 L0000427 , L0000428 , L0000429 ,
 L0000430 , L0000431 , L0000432 , L0000433 , L0000434 ,
 L0000435 , L0000436 , L0000437 ,
 L0000438 , L0000439 , L0000440 , L0000441 , L0000442 ,
 L0000443 , L0000444 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
-----	-----	-----	-----	-----
447362.21	3764292.67	0.24649	447375.98	
3764150.98	0.28820			
447389.75	3764043.04	0.33374	447450.16	
3764031.05	0.34963			

447410.18	3764019.05	0.34778	446891.90
3764451.22	0.17972		
446959.28	3764451.22	0.18467	446995.28
3764468.13	0.18421		
447007.41	3764467.30	0.18487	447023.51
3764466.09	0.18614		
447036.59	3764466.21	0.18703	447052.68
3764465.61	0.18803		
447066.60	3764465.73	0.18874	447099.65
3764456.17	0.19229		
447145.28	3764468.27	0.19356	447175.54
3764468.03	0.19683		
447205.32	3764468.27	0.19972	447232.43
3764467.55	0.19970		
447264.02	3764467.30	0.19806	447294.77
3764466.94	0.19847		
447364.97	3764456.41	0.20592	447406.61
3764460.65	0.20812		
447441.47	3764460.04	0.20994	447466.88
3764460.20	0.21153		
447490.00	3764460.56	0.21347	447515.50
3764460.40	0.21610		
447573.06	3764454.29	0.22358	447598.49
3764445.22	0.22618		
447652.90	3764439.70	0.22549	447692.92
3764439.51	0.22741		
447713.82	3764439.11	0.22824	447731.95
3764438.72	0.22864		
447751.07	3764438.72	0.22927	447768.82
3764437.53	0.22973		
447789.12	3764437.73	0.22955	447805.68
3764437.34	0.22987		
447824.02	3764437.20	0.23027	447841.61
3764437.87	0.23082		
447861.72	3764437.53	0.23184	447881.66
3764435.18	0.23333		
447902.78	3764436.19	0.23397	447920.87
3764435.35	0.23491		
447942.16	3764435.35	0.23580	447962.77
3764434.85	0.23679		
447980.70	3764435.18	0.23749	448004.66
3764435.18	0.23933		
448021.25	3764434.68	0.24279	447662.70
3764379.63	0.23688		
447681.30	3764320.98	0.25244	447682.64
3764285.79	0.26592		
447662.53	3764238.37	0.28340	447661.70
3764207.37	0.29698		
447683.14	3764162.29	0.32003	447680.97
3764145.87	0.32815		
447679.63	3764130.28	0.33643	447680.80
3764112.02	0.34644		
447681.47	3764096.43	0.35427	447680.80
3764078.84	0.36247		
447679.96	3764064.26	0.36855	447680.97
3764045.82	0.37642		
447680.63	3764029.74	0.38316	447657.17
3763992.03	0.39939		
447656.33	3763967.06	0.41060	447657.17
3763928.69	0.43050		
447657.17	3763902.21	0.44498	447657.51
3763869.03	0.46748		
447656.16	3763834.94	0.48876	447655.93
3763808.27	0.50562		
447657.09	3763786.00	0.52089	447701.21
3763782.14	0.53318		

447856.92	3763749.71	0.61987	447854.99
3763730.13	0.64253		
447854.35	3763698.35	0.68269	447855.31
3763676.84	0.71256		
447675.51	3763287.46	1.78328	448481.33
3763485.29	1.19876		
448479.95	3763195.53	3.15777	448478.56
3762907.16	10.82956		
448497.89	3762714.10	9.82151	448507.91
3762487.71	3.07086		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 185

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 6AON ***

INCLUDING SOURCE(S): L0000417 , L0000418 ,
L0000419 , L0000420 , L0000421 ,
L0000422 , L0000423 , L0000424 , L0000425 , L0000426 ,
L0000427 , L0000428 , L0000429 ,
L0000430 , L0000431 , L0000432 , L0000433 , L0000434 ,
L0000435 , L0000436 , L0000437 ,
L0000438 , L0000439 , L0000440 , L0000441 , L0000442 ,
L0000443 , L0000444 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
448480.49	3762357.96	2.24449	448462.73	
3762339.82	2.20712			
448464.47	3762265.93	1.83516	448461.57	
3762165.17	1.48062			
448472.57	3762064.71	1.20533	448460.48	
3762016.72	1.11993			
448234.63	3761951.18	1.17832	448081.42	
3761952.78	1.27499			
448025.53	3761955.99	1.30779	447506.75	
3761967.63	1.23656			
447269.29	3761967.74	1.02804	447389.46	
3761908.79	1.05053			
447019.14	3761964.34	0.78281	447060.33	
3761963.58	0.82006			
446975.31	3761963.20	0.74346	446940.92	
3761953.76	0.71000			
446865.72	3761974.54	0.65913	446795.06	
3761957.91	0.60211			
446757.65	3761965.85	0.57869	446709.33	
3761967.74	0.54799			
446796.42	3762028.62	0.62170	446796.97	
3762045.28	0.62632			
446796.70	3762089.51	0.63764	446796.15	
3762105.89	0.64091			
446796.70	3762137.29	0.64821	446796.15	
3762153.39	0.65108			
446772.40	3762215.37	0.64211	446795.06	
3762321.03	0.67892			

446796.42	3762450.98	0.69460	446796.42
3762471.18	0.69607		
446797.24	3762496.03	0.69843	446798.06
3762516.51	0.70025		
446797.79	3762539.98	0.70058	446797.52
3762560.19	0.70048		
446798.61	3762584.76	0.70154	446798.06
3762604.42	0.70060		
446799.70	3762654.11	0.70014	446799.97
3762674.58	0.69881		
446800.25	3762700.25	0.69650	446800.25
3762721.27	0.69401		
446799.97	3762735.74	0.69181	446797.79
3762748.02	0.68771		
446802.16	3762913.47	0.65794	446802.16
3762932.58	0.65282		
446802.43	3762949.24	0.64847	446802.98
3762967.26	0.64387		
446802.70	3762986.09	0.63807	446802.16
3763003.29	0.63238		
446802.16	3763021.86	0.62666	446802.70
3763040.70	0.62122		
446802.98	3763059.26	0.61552	446803.52
3763077.01	0.61023		
446756.29	3763085.26	0.56994	446807.68
3763646.39	0.34803		
446808.32	3763674.66	0.33975	446807.68
3763694.57	0.33342		
446808.32	3763710.63	0.32908	446808.32
3763726.37	0.32472		
446808.00	3763742.11	0.32063	446808.32
3763756.89	0.31694		
446808.64	3763798.32	0.30506	446810.25
3764484.08	0.16940		
446781.34	3764475.08	0.16845	446722.56
3764455.81	0.16697		
446170.32	3764559.79	0.12356	446872.29
3763190.26	0.62640		
446925.22	3763179.19	0.67959	446984.86
3763194.88	0.73244		
447010.56	3763193.28	0.76189	447036.58
3763193.60	0.79239		
447053.61	3763193.28	0.81370	447076.42
3763192.31	0.84398		
447093.45	3763192.63	0.86674	447122.05
3763192.63	0.90780		
447138.75	3763192.31	0.93335	447167.99
3763192.31	0.97991		
447170.68	3763172.18	1.00781	447170.41
3763158.25	1.02379		
447169.31	3763144.87	1.03754	447147.46
3763107.45	1.03834		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 186

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 6AON ***

INCLUDING SOURCE(S): L0000417 , L0000418 ,
L0000419 , L0000420 , L0000421 ,
L0000422 , L0000423 , L0000424 , L0000425 , L0000426 ,
L0000427 , L0000428 , L0000429 ,

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L0000430 , L0000431 , L0000432 , L0000433 , L0000434 ,
L0000435 , L0000436 , L0000437 ,
L0000438 , L0000439 , L0000440 , L0000441 , L0000442 ,
L0000443 , L0000444 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	1.06220	447146.92	
3763064.30	1.08482			
447149.92	3763038.90	1.11977	447148.56	
3763019.78	1.13779			
447148.56	3762997.39	1.16237	447206.08	
3762958.49	1.37665			
447209.33	3762922.51	1.43814	447208.40	
3762890.70	1.47650			
447145.83	3762888.87	1.26508	447122.55	
3762889.07	1.19845			
447094.33	3762890.05	1.12480	447071.04	
3762890.45	1.06988			
447043.61	3762889.66	1.01155	447017.76	
3762888.87	0.96133			
446992.11	3762889.07	0.91506	446964.28	
3762888.28	0.86939			
446940.41	3762888.47	0.83289	446911.20	
3762888.08	0.79186			
446885.35	3762889.66	0.75761	446862.07	
3762888.87	0.72951			
446871.45	3762779.57	0.76926	446926.31	
3762768.72	0.84915			
446983.74	3762774.24	0.94424	447009.00	
3762774.05	0.99282			
447030.51	3762774.44	1.03760	447055.37	
3762774.05	1.09402			
447076.88	3762774.24	1.14692	447101.16	
3762774.44	1.21201			
447123.85	3762774.05	1.27926	447148.12	
3762775.03	1.35777			
447170.23	3762774.84	1.43757	447196.78	
3762775.48	1.54441			
447242.12	3762776.57	1.76240	447262.33	
3762776.03	1.87892			
447294.56	3762776.30	2.09443	447313.13	
3762775.48	2.24082			
447313.40	3762749.53	2.27422	447327.86	
3762713.09	2.43405			
447327.36	3762679.87	2.43738	447327.74	
3762657.02	2.43519			
447327.28	3762636.82	2.41853	447327.51	
3762612.90	2.39741			
447327.28	3762592.24	2.36982	447327.04	
3762569.71	2.33392			
447327.28	3762547.89	2.29757	447326.58	
3762524.67	2.24708			
447326.58	3762506.09	2.20785	447327.51	
3762477.53	2.14815			
447325.88	3762454.31	2.08316	447225.58	
3762432.95	1.58404			
447200.27	3762430.63	1.48952	447156.85	
3762430.16	1.34798			

447131.77	3762430.86	1.27588	447102.74
3762430.63	1.19840		
447079.06	3762430.86	1.14036	447034.94
3762433.65	1.04472		
446995.47	3762433.65	0.96880	446972.71
3762434.34	0.92919		
446941.37	3762434.58	0.87888	446916.06
3762436.90	0.84161		
446876.35	3762436.90	0.78716	446848.85
3762647.05	0.75865		
446848.85	3762563.17	0.76070	446849.17
3762509.82	0.75930		
446849.17	3762455.82	0.75509	446848.85
3762702.00	0.75324		
446849.49	3762754.71	0.74618	446739.81
3762428.53	0.63676		
446711.81	3762423.61	0.61165	446687.25
3762416.25	0.59074		
446662.20	3762412.32	0.57089	446636.17
3762403.97	0.55123		
449981.72	3762732.45	0.56072	446486.82
3762231.95	0.45121		
446261.97	3762068.01	0.35002	446443.15
3762291.63	0.43260		
446071.80	3762055.49	0.29371	446072.08
3761983.13	0.29162		
446138.18	3762002.17	0.30984	445884.94
3762039.75	0.25139		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 187

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6BBREAT ***
INCLUDING SOURCE(S): 6BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	0.17245	447375.98	
3764150.98	0.19453			
447389.75	3764043.04	0.21742	447450.16	
3764031.05	0.22669			
447410.18	3764019.05	0.22464	446891.90	
3764451.22	0.12942			
446959.28	3764451.22	0.13299	446995.28	
3764468.13	0.13323			
447007.41	3764467.30	0.13375	447023.51	
3764466.09	0.13467			
447036.59	3764466.21	0.13535	447052.68	
3764465.61	0.13612			
447066.60	3764465.73	0.13671	447099.65	
3764456.17	0.13913			
447145.28	3764468.27	0.14046	447175.54	
3764468.03	0.14269			
447205.32	3764468.27	0.14468	447232.43	

3764467.55	0.14495		
447264.02	3764467.30	0.14427	447294.77
3764466.94	0.14474		
447364.97	3764456.41	0.14961	447406.61
3764460.65	0.15117		
447441.47	3764460.04	0.15244	447466.88
3764460.20	0.15354		
447490.00	3764460.56	0.15484	447515.50
3764460.40	0.15657		
447573.06	3764454.29	0.16143	447598.49
3764445.22	0.16315		
447652.90	3764439.70	0.16313	447692.92
3764439.51	0.16458		
447713.82	3764439.11	0.16523	447731.95
3764438.72	0.16560		
447751.07	3764438.72	0.16610	447768.82
3764437.53	0.16648		
447789.12	3764437.73	0.16648	447805.68
3764437.34	0.16677		
447824.02	3764437.20	0.16712	447841.61
3764437.87	0.16757		
447861.72	3764437.53	0.16833	447881.66
3764435.18	0.16939		
447902.78	3764436.19	0.16996	447920.87
3764435.35	0.17070		
447942.16	3764435.35	0.17147	447962.77
3764434.85	0.17232		
447980.70	3764435.18	0.17298	448004.66
3764435.18	0.17447		
448021.25	3764434.68	0.17692	447662.70
3764379.63	0.16984		
447681.30	3764320.98	0.17898	447682.64
3764285.79	0.18669		
447662.53	3764238.37	0.19618	447661.70
3764207.37	0.20364		
447683.14	3764162.29	0.21646	447680.97
3764145.87	0.22074		
447679.63	3764130.28	0.22508	447680.80
3764112.02	0.23031		
447681.47	3764096.43	0.23434	447680.80
3764078.84	0.23847		
447679.96	3764064.26	0.24149	447680.97
3764045.82	0.24541		
447680.63	3764029.74	0.24870	447657.17
3763992.03	0.25595		
447656.33	3763967.06	0.26120	447657.17
3763928.69	0.27046		
447657.17	3763902.21	0.27703	447657.51
3763869.03	0.28713		
447656.16	3763834.94	0.29628	447655.93
3763808.27	0.30336		
447657.09	3763786.00	0.30970	447701.21
3763782.14	0.31702		
447856.92	3763749.71	0.36163	447854.99
3763730.13	0.37091		
447854.35	3763698.35	0.38714	447855.31
3763676.84	0.39900		
447675.51	3763287.46	0.60559	448481.33
3763485.29	0.64888		
448479.95	3763195.53	1.28585	448478.56
3762907.16	3.73963		
448497.89	3762714.10	10.90883	448507.91
3762487.71	48.65251		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6BBREAT ***
INCLUDING SOURCE(S): 6BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF OTHER MICROGRAMS/M**3	IN		
X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD
448480.49	3762357.96	16.76417		448462.73	
3762339.82	16.26085				
448464.47	3762265.93	9.71869		448461.57	
3762165.17	5.68890				
448472.57	3762064.71	3.65903		448460.48	
3762016.72	3.12777				
448234.63	3761951.18	2.82624		448081.42	
3761952.78	2.71042				
448025.53	3761955.99	2.59394		447506.75	
3761967.63	1.07327				
447269.29	3761967.74	0.73588		447389.46	
3761908.79	0.86597				
447019.14	3761964.34	0.52760		447060.33	
3761963.58	0.55485				
446975.31	3761963.20	0.50072		446940.92	
3761953.76	0.48064				
446865.72	3761974.54	0.44333		446795.06	
3761957.91	0.41052				
446757.65	3761965.85	0.39522		446709.33	
3761967.74	0.37650				
446796.42	3762028.62	0.41331		446796.97	
3762045.28	0.41399				
446796.70	3762089.51	0.41520		446796.15	
3762105.89	0.41523				
446796.70	3762137.29	0.41587		446796.15	
3762153.39	0.41577				
446772.40	3762215.37	0.40573		446795.06	
3762321.03	0.41417				
446796.42	3762450.98	0.41000		446796.42	
3762471.18	0.40891				
446797.24	3762496.03	0.40779		446798.06	
3762516.51	0.40680				
446797.79	3762539.98	0.40500		446797.52	
3762560.19	0.40332				
446798.61	3762584.76	0.40176		446798.06	
3762604.42	0.39980				
446799.70	3762654.11	0.39566		446799.97	
3762674.58	0.39365				
446800.25	3762700.25	0.39101		446800.25	
3762721.27	0.38872				
446799.97	3762735.74	0.38701		446797.79	
3762748.02	0.38477				
446802.16	3762913.47	0.36625		446802.16	
3762932.58	0.36376				
446802.43	3762949.24	0.36167		446802.98	
3762967.26	0.35947				
446802.70	3762986.09	0.35685		446802.16	
3763003.29	0.35434				

446802.16	3763021.86	0.35180	446802.70
3763040.70	0.34939		
446802.98	3763059.26	0.34691	446803.52
3763077.01	0.34463		
446756.29	3763085.26	0.32921	446807.68
3763646.39	0.21537		
446808.32	3763674.66	0.21157	446807.68
3763694.57	0.20863		
446808.32	3763710.63	0.20661	446808.32
3763726.37	0.20456		
446808.00	3763742.11	0.20265	446808.32
3763756.89	0.20090		
446808.64	3763798.32	0.19520	446810.25
3764484.08	0.12283		
446781.34	3764475.08	0.12206	446722.56
3764455.81	0.12088		
446170.32	3764559.79	0.09448	446872.29
3763190.26	0.30650		
446925.22	3763179.19	0.32230	446984.86
3763194.88	0.33791		
447010.56	3763193.28	0.34473	447036.58
3763193.60	0.35297		
447053.61	3763193.28	0.35845	447076.42
3763192.31	0.36582		
447093.45	3763192.63	0.37082	447122.05
3763192.63	0.38223		
447138.75	3763192.31	0.38898	447167.99
3763192.31	0.40084		
447170.68	3763172.18	0.40897	447170.41
3763158.25	0.41398		
447169.31	3763144.87	0.41749	447147.46
3763107.45	0.41734		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 189

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6BBREAT ***
INCLUDING SOURCE(S): 6BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447146.64	3763084.24	0.42443	447146.92	
3763064.30	0.43183			
447149.92	3763038.90	0.49873	447148.56	
3763019.78	0.50340			
447148.56	3762997.39	0.50976	447206.08	
3762958.49	0.55809			
447209.33	3762922.51	0.57194	447208.40	
3762890.70	0.58130			
447145.83	3762888.87	0.53808	447122.55	
3762889.07	0.52304			
447094.33	3762890.05	0.50550	447071.04	
3762890.45	0.49181			
447043.61	3762889.66	0.47669	447017.76	

3762888.87	0.46311		
446992.11	3762889.07	0.45004	446964.28
3762888.28	0.43669		
446940.41	3762888.47	0.42560	446911.20
3762888.08	0.41274		
446885.35	3762889.66	0.40154	446862.07
3762888.87	0.39219		
446871.45	3762779.57	0.41137	446926.31
3762768.72	0.43809		
446983.74	3762774.24	0.46637	447009.00
3762774.05	0.48022		
447030.51	3762774.44	0.49248	447055.37
3762774.05	0.50742		
447076.88	3762774.24	0.52079	447101.16
3762774.44	0.53652		
447123.85	3762774.05	0.55211	447148.12
3762775.03	0.56923		
447170.23	3762774.84	0.58586	447196.78
3762775.48	0.60667		
447242.12	3762776.57	0.64501	447262.33
3762776.03	0.66371		
447294.56	3762776.30	0.69498	447313.13
3762775.48	0.71441		
447313.40	3762749.53	0.72459	447327.86
3762713.09	0.75466		
447327.36	3762679.87	0.76660	447327.74
3762657.02	0.77525		
447327.28	3762636.82	0.78168	447327.51
3762612.90	0.78989		
447327.28	3762592.24	0.79599	447327.04
3762569.71	0.80223		
447327.28	3762547.89	0.80840	447326.58
3762524.67	0.81321		
447326.58	3762506.09	0.81742	447327.51
3762477.53	0.82436		
447325.88	3762454.31	0.82612	447225.58
3762432.95	0.70767		
447200.27	3762430.63	0.68171	447156.85
3762430.16	0.64023		
447131.77	3762430.86	0.61807	447102.74
3762430.63	0.59392		
447079.06	3762430.86	0.57526	447034.94
3762433.65	0.54293		
446995.47	3762433.65	0.51663	446972.71
3762434.34	0.50238		
446941.37	3762434.58	0.48389	446916.06
3762436.90	0.46960		
446876.35	3762436.90	0.44862	446848.85
3762647.05	0.41765		
446848.85	3762563.17	0.42605	446849.17
3762509.82	0.43052		
446849.17	3762455.82	0.43407	446848.85
3762702.00	0.41129		
446849.49	3762754.71	0.40512	446739.81
3762428.53	0.38719		
446711.81	3762423.61	0.37644	446687.25
3762416.25	0.36750		
446662.20	3762412.32	0.35863	446636.17
3762403.97	0.34993		
449981.72	3762732.45	1.03302	446486.82
3762231.95	0.30755		
446261.97	3762068.01	0.25476	446443.15
3762291.63	0.29536		
446071.80	3762055.49	0.22035	446072.08
3761983.13	0.22013		
446138.18	3762002.17	0.23134	445884.94

3762039.75 0.19338

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22 *** AERMET - VERSION 16216 *** *** 09:18:50

PAGE 190

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 6BLOAD *** INCLUDING SOURCE(S): 6BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.17245	447375.98	
3764150.98	0.19453			
447389.75	3764043.04	0.21742	447450.16	
3764031.05	0.22669			
447410.18	3764019.05	0.22464	446891.90	
3764451.22	0.12942			
446959.28	3764451.22	0.13299	446995.28	
3764468.13	0.13323			
447007.41	3764467.30	0.13375	447023.51	
3764466.09	0.13467			
447036.59	3764466.21	0.13535	447052.68	
3764465.61	0.13612			
447066.60	3764465.73	0.13671	447099.65	
3764456.17	0.13913			
447145.28	3764468.27	0.14046	447175.54	
3764468.03	0.14269			
447205.32	3764468.27	0.14468	447232.43	
3764467.55	0.14495			
447264.02	3764467.30	0.14427	447294.77	
3764466.94	0.14474			
447364.97	3764456.41	0.14961	447406.61	
3764460.65	0.15117			
447441.47	3764460.04	0.15244	447466.88	
3764460.20	0.15354			
447490.00	3764460.56	0.15484	447515.50	
3764460.40	0.15657			
447573.06	3764454.29	0.16143	447598.49	
3764445.22	0.16315			
447652.90	3764439.70	0.16313	447692.92	
3764439.51	0.16458			
447713.82	3764439.11	0.16523	447731.95	
3764438.72	0.16560			
447751.07	3764438.72	0.16610	447768.82	
3764437.53	0.16648			
447789.12	3764437.73	0.16648	447805.68	
3764437.34	0.16677			
447824.02	3764437.20	0.16712	447841.61	
3764437.87	0.16757			
447861.72	3764437.53	0.16833	447881.66	
3764435.18	0.16939			
447902.78	3764436.19	0.16996	447920.87	
3764435.35	0.17070			
447942.16	3764435.35	0.17147	447962.77	
3764434.85	0.17232			

447980.70	3764435.18	0.17298	448004.66
3764435.18	0.17447		
448021.25	3764434.68	0.17692	447662.70
3764379.63	0.16984		
447681.30	3764320.98	0.17898	447682.64
3764285.79	0.18669		
447662.53	3764238.37	0.19618	447661.70
3764207.37	0.20364		
447683.14	3764162.29	0.21646	447680.97
3764145.87	0.22074		
447679.63	3764130.28	0.22508	447680.80
3764112.02	0.23031		
447681.47	3764096.43	0.23434	447680.80
3764078.84	0.23847		
447679.96	3764064.26	0.24149	447680.97
3764045.82	0.24541		
447680.63	3764029.74	0.24870	447657.17
3763992.03	0.25595		
447656.33	3763967.06	0.26120	447657.17
3763928.69	0.27046		
447657.17	3763902.21	0.27703	447657.51
3763869.03	0.28713		
447656.16	3763834.94	0.29628	447655.93
3763808.27	0.30336		
447657.09	3763786.00	0.30970	447701.21
3763782.14	0.31702		
447856.92	3763749.71	0.36163	447854.99
3763730.13	0.37091		
447854.35	3763698.35	0.38714	447855.31
3763676.84	0.39900		
447675.51	3763287.46	0.60559	448481.33
3763485.29	0.64888		
448479.95	3763195.53	1.28586	448478.56
3762907.16	3.73972		
448497.89	3762714.10	10.90924	448507.91
3762487.71	48.65334		

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 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 191

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 6BLOAD ***
 INCLUDING SOURCE(S): 6BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	16.76447	448462.73	
3762339.82	16.26109			
448464.47	3762265.93	9.71880	448461.57	
3762165.17	5.68895			
448472.57	3762064.71	3.65905	448460.48	
3762016.72	3.12779			
448234.63	3761951.18	2.82625	448081.42	
3761952.78	2.71043			
448025.53	3761955.99	2.59395	447506.75	

3761967.63	1.07327		
447269.29	3761967.74	0.73589	447389.46
3761908.79	0.86597		
447019.14	3761964.34	0.52760	447060.33
3761963.58	0.55486		
446975.31	3761963.20	0.50072	446940.92
3761953.76	0.48065		
446865.72	3761974.54	0.44333	446795.06
3761957.91	0.41052		
446757.65	3761965.85	0.39522	446709.33
3761967.74	0.37650		
446796.42	3762028.62	0.41331	446796.97
3762045.28	0.41399		
446796.70	3762089.51	0.41520	446796.15
3762105.89	0.41523		
446796.70	3762137.29	0.41587	446796.15
3762153.39	0.41577		
446772.40	3762215.37	0.40573	446795.06
3762321.03	0.41417		
446796.42	3762450.98	0.41001	446796.42
3762471.18	0.40891		
446797.24	3762496.03	0.40779	446798.06
3762516.51	0.40680		
446797.79	3762539.98	0.40500	446797.52
3762560.19	0.40332		
446798.61	3762584.76	0.40176	446798.06
3762604.42	0.39980		
446799.70	3762654.11	0.39566	446799.97
3762674.58	0.39365		
446800.25	3762700.25	0.39101	446800.25
3762721.27	0.38872		
446799.97	3762735.74	0.38701	446797.79
3762748.02	0.38477		
446802.16	3762913.47	0.36625	446802.16
3762932.58	0.36377		
446802.43	3762949.24	0.36167	446802.98
3762967.26	0.35947		
446802.70	3762986.09	0.35685	446802.16
3763003.29	0.35434		
446802.16	3763021.86	0.35180	446802.70
3763040.70	0.34939		
446802.98	3763059.26	0.34692	446803.52
3763077.01	0.34463		
446756.29	3763085.26	0.32921	446807.68
3763646.39	0.21537		
446808.32	3763674.66	0.21157	446807.68
3763694.57	0.20863		
446808.32	3763710.63	0.20661	446808.32
3763726.37	0.20456		
446808.00	3763742.11	0.20265	446808.32
3763756.89	0.20090		
446808.64	3763798.32	0.19520	446810.25
3764484.08	0.12283		
446781.34	3764475.08	0.12206	446722.56
3764455.81	0.12088		
446170.32	3764559.79	0.09448	446872.29
3763190.26	0.30650		
446925.22	3763179.19	0.32230	446984.86
3763194.88	0.33791		
447010.56	3763193.28	0.34473	447036.58
3763193.60	0.35297		
447053.61	3763193.28	0.35845	447076.42
3763192.31	0.36582		
447093.45	3763192.63	0.37082	447122.05
3763192.63	0.38223		
447138.75	3763192.31	0.38898	447167.99

447327.28	3762636.82	0.78168	447327.51
3762612.90	0.78989		
447327.28	3762592.24	0.79599	447327.04
3762569.71	0.80223		
447327.28	3762547.89	0.80840	447326.58
3762524.67	0.81322		
447326.58	3762506.09	0.81742	447327.51
3762477.53	0.82436		
447325.88	3762454.31	0.82612	447225.58
3762432.95	0.70768		
447200.27	3762430.63	0.68172	447156.85
3762430.16	0.64024		
447131.77	3762430.86	0.61807	447102.74
3762430.63	0.59393		
447079.06	3762430.86	0.57526	447034.94
3762433.65	0.54293		
446995.47	3762433.65	0.51664	446972.71
3762434.34	0.50238		
446941.37	3762434.58	0.48389	446916.06
3762436.90	0.46960		
446876.35	3762436.90	0.44862	446848.85
3762647.05	0.41765		
446848.85	3762563.17	0.42605	446849.17
3762509.82	0.43052		
446849.17	3762455.82	0.43407	446848.85
3762702.00	0.41129		
446849.49	3762754.71	0.40512	446739.81
3762428.53	0.38719		
446711.81	3762423.61	0.37644	446687.25
3762416.25	0.36750		
446662.20	3762412.32	0.35863	446636.17
3762403.97	0.34993		
449981.72	3762732.45	1.03303	446486.82
3762231.95	0.30755		
446261.97	3762068.01	0.25476	446443.15
3762291.63	0.29536		
446071.80	3762055.49	0.22035	446072.08
3761983.13	0.22013		
446138.18	3762002.17	0.23134	445884.94
3762039.75	0.19338		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 193

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6BREF ***
INCLUDING SOURCE(S): 6BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	0.17623	447375.98	
3764150.98	0.19913			
447389.75	3764043.04	0.22323	447450.16	
3764031.05	0.23319			
447410.18	3764019.05	0.23090	446891.90	

3764451.22	0.13109		
446959.28	3764451.22	0.13505	446995.28
3764468.13	0.13543		
447007.41	3764467.30	0.13597	447023.51
3764466.09	0.13698		
447036.59	3764466.21	0.13773	447052.68
3764465.61	0.13856		
447066.60	3764465.73	0.13919	447099.65
3764456.17	0.14176		
447145.28	3764468.27	0.14331	447175.54
3764468.03	0.14578		
447205.32	3764468.27	0.14794	447232.43
3764467.55	0.14799		
447264.02	3764467.30	0.14686	447294.77
3764466.94	0.14711		
447364.97	3764456.41	0.15180	447406.61
3764460.65	0.15317		
447441.47	3764460.04	0.15426	447466.88
3764460.20	0.15531		
447490.00	3764460.56	0.15667	447515.50
3764460.40	0.15858		
447573.06	3764454.29	0.16411	447598.49
3764445.22	0.16597		
447652.90	3764439.70	0.16604	447692.92
3764439.51	0.16783		
447713.82	3764439.11	0.16857	447731.95
3764438.72	0.16893		
447751.07	3764438.72	0.16940	447768.82
3764437.53	0.16966		
447789.12	3764437.73	0.16944	447805.68
3764437.34	0.16952		
447824.02	3764437.20	0.16961	447841.61
3764437.87	0.16981		
447861.72	3764437.53	0.17029	447881.66
3764435.18	0.17110		
447902.78	3764436.19	0.17141	447920.87
3764435.35	0.17198		
447942.16	3764435.35	0.17262	447962.77
3764434.85	0.17343		
447980.70	3764435.18	0.17413	448004.66
3764435.18	0.17586		
448021.25	3764434.68	0.17876	447662.70
3764379.63	0.17253		
447681.30	3764320.98	0.18177	447682.64
3764285.79	0.18977		
447662.53	3764238.37	0.19946	447661.70
3764207.37	0.20732		
447683.14	3764162.29	0.22104	447680.97
3764145.87	0.22564		
447679.63	3764130.28	0.23038	447680.80
3764112.02	0.23608		
447681.47	3764096.43	0.24037	447680.80
3764078.84	0.24469		
447679.96	3764064.26	0.24773	447680.97
3764045.82	0.25164		
447680.63	3764029.74	0.25490	447657.17
3763992.03	0.26251		
447656.33	3763967.06	0.26771	447657.17
3763928.69	0.27709		
447657.17	3763902.21	0.28375	447657.51
3763869.03	0.29442		
447656.16	3763834.94	0.30372	447655.93
3763808.27	0.31076		
447657.09	3763786.00	0.31708	447701.21
3763782.14	0.32405		
447856.92	3763749.71	0.37219	447854.99

3763730.13	0.38198		
447854.35	3763698.35	0.39913	447855.31
3763676.84	0.41172		
447675.51	3763287.46	0.63024	448481.33
3763485.29	0.66120		
448479.95	3763195.53	1.31898	448478.56
3762907.16	3.40578		
448497.89	3762714.10	9.15197	448507.91
3762487.71	70.20701		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 194

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6BREF ***
INCLUDING SOURCE(S): 6BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
448480.49	3762357.96	21.63094	448462.73	
3762339.82	21.09728			
448464.47	3762265.93	11.77409	448461.57	
3762165.17	6.49218			
448472.57	3762064.71	4.03592	448460.48	
3762016.72	3.40848			
448234.63	3761951.18	3.00164	448081.42	
3761952.78	2.88388			
448025.53	3761955.99	2.73743	447506.75	
3761967.63	1.05110			
447269.29	3761967.74	0.71758	447389.46	
3761908.79	0.84864			
447019.14	3761964.34	0.51476	447060.33	
3761963.58	0.54127			
446975.31	3761963.20	0.48865	446940.92	
3761953.76	0.46922			
446865.72	3761974.54	0.43282	446795.06	
3761957.91	0.40105			
446757.65	3761965.85	0.38621	446709.33	
3761967.74	0.36808			
446796.42	3762028.62	0.40379	446796.97	
3762045.28	0.40450			
446796.70	3762089.51	0.40580	446796.15	
3762105.89	0.40592			
446796.70	3762137.29	0.40672	446796.15	
3762153.39	0.40671			
446772.40	3762215.37	0.39723	446795.06	
3762321.03	0.40539			
446796.42	3762450.98	0.40066	446796.42	
3762471.18	0.39947			
446797.24	3762496.03	0.39822	446798.06	
3762516.51	0.39714			
446797.79	3762539.98	0.39526	446797.52	
3762560.19	0.39352			
446798.61	3762584.76	0.39187	446798.06	
3762604.42	0.38986			

446799.70	3762654.11	0.38558	446799.97
3762674.58	0.38351		
446800.25	3762700.25	0.38079	446800.25
3762721.27	0.37843		
446799.97	3762735.74	0.37667	446797.79
3762748.02	0.37443		
446802.16	3762913.47	0.35563	446802.16
3762932.58	0.35319		
446802.43	3762949.24	0.35114	446802.98
3762967.26	0.34902		
446802.70	3762986.09	0.34650	446802.16
3763003.29	0.34410		
446802.16	3763021.86	0.34170	446802.70
3763040.70	0.33943		
446802.98	3763059.26	0.33711	446803.52
3763077.01	0.33498		
446756.29	3763085.26	0.32016	446807.68
3763646.39	0.22110		
446808.32	3763674.66	0.21725	446807.68
3763694.57	0.21420		
446808.32	3763710.63	0.21219	446808.32
3763726.37	0.21015		
446808.00	3763742.11	0.20830	446808.32
3763756.89	0.20662		
446808.64	3763798.32	0.20064	446810.25
3764484.08	0.12411		
446781.34	3764475.08	0.12318	446722.56
3764455.81	0.12182		
446170.32	3764559.79	0.09647	446872.29
3763190.26	0.32023		
446925.22	3763179.19	0.33614	446984.86
3763194.88	0.35461		
447010.56	3763193.28	0.36034	447036.58
3763193.60	0.36914		
447053.61	3763193.28	0.37480	447076.42
3763192.31	0.38208		
447093.45	3763192.63	0.38661	447122.05
3763192.63	0.39982		
447138.75	3763192.31	0.40744	447167.99
3763192.31	0.42066		
447170.68	3763172.18	0.42997	447170.41
3763158.25	0.43597		
447169.31	3763144.87	0.43934	447147.46
3763107.45	0.43586		

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 195

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 6BREF ***
INCLUDING SOURCE(S): 6BREF ,


*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.44322	447146.92	

3763064.30	0.45191		
447149.92	3763038.90	0.48264	447148.56
3763019.78	0.48695		
447148.56	3762997.39	0.49283	447206.08
3762958.49	0.53857		
447209.33	3762922.51	0.55145	447208.40
3762890.70	0.56016		
447145.83	3762888.87	0.51918	447122.55
3762889.07	0.50491		
447094.33	3762890.05	0.48826	447071.04
3762890.45	0.47526		
447043.61	3762889.66	0.46090	447017.76
3762888.87	0.44799		
446992.11	3762889.07	0.43556	446964.28
3762888.28	0.42286		
446940.41	3762888.47	0.41231	446911.20
3762888.08	0.40006		
446885.35	3762889.66	0.38939	446862.07
3762888.87	0.38048		
446871.45	3762779.57	0.39955	446926.31
3762768.72	0.42509		
446983.74	3762774.24	0.45192	447009.00
3762774.05	0.46507		
447030.51	3762774.44	0.47670	447055.37
3762774.05	0.49086		
447076.88	3762774.24	0.50352	447101.16
3762774.44	0.51841		
447123.85	3762774.05	0.53315	447148.12
3762775.03	0.54930		
447170.23	3762774.84	0.56500	447196.78
3762775.48	0.58462		
447242.12	3762776.57	0.62070	447262.33
3762776.03	0.63829		
447294.56	3762776.30	0.66766	447313.13
3762775.48	0.68590		
447313.40	3762749.53	0.69579	447327.86
3762713.09	0.72466		
447327.36	3762679.87	0.73665	447327.74
3762657.02	0.74538		
447327.28	3762636.82	0.75198	447327.51
3762612.90	0.76040		
447327.28	3762592.24	0.76674	447327.04
3762569.71	0.77324		
447327.28	3762547.89	0.77971	447326.58
3762524.67	0.78489		
447326.58	3762506.09	0.78936	447327.51
3762477.53	0.79672		
447325.88	3762454.31	0.79899	447225.58
3762432.95	0.68663		
447200.27	3762430.63	0.66188	447156.85
3762430.16	0.62225		
447131.77	3762430.86	0.60101	447102.74
3762430.63	0.57790		
447079.06	3762430.86	0.56002	447034.94
3762433.65	0.52895		
446995.47	3762433.65	0.50366	446972.71
3762434.34	0.48992		
446941.37	3762434.58	0.47207	446916.06
3762436.90	0.45826		
446876.35	3762436.90	0.43803	446848.85
3762647.05	0.40670		
446848.85	3762563.17	0.41536	446849.17
3762509.82	0.42004		
446849.17	3762455.82	0.42385	446848.85
3762702.00	0.40017		
446849.49	3762754.71	0.39382	446739.81

3762428.53	0.37876		
446711.81	3762423.61	0.36838	446687.25
3762416.25	0.35976		
446662.20	3762412.32	0.35117	446636.17
3762403.97	0.34276		
449981.72	3762732.45	1.10737	446486.82
3762231.95	0.30198		
446261.97	3762068.01	0.25039	446443.15
3762291.63	0.29004		
446071.80	3762055.49	0.21692	446072.08
3761983.13	0.21653		
446138.18	3762002.17	0.22745	445884.94
3762039.75	0.19060		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 196

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 6BSPILL ***
 INCLUDING SOURCE(S): 6BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	0.17863	447375.98	
3764150.98	0.20207			
447389.75	3764043.04	0.22699	447450.16	
3764031.05	0.23746			
447410.18	3764019.05	0.23495	446891.90	
3764451.22	0.13225			
446959.28	3764451.22	0.13624	446995.28	
3764468.13	0.13660			
447007.41	3764467.30	0.13715	447023.51	
3764466.09	0.13820			
447036.59	3764466.21	0.13899	447052.68	
3764465.61	0.13986			
447066.60	3764465.73	0.14054	447099.65	
3764456.17	0.14324			
447145.28	3764468.27	0.14501	447175.54	
3764468.03	0.14765			
447205.32	3764468.27	0.14992	447232.43	
3764467.55	0.14989			
447264.02	3764467.30	0.14858	447294.77	
3764466.94	0.14865			
447364.97	3764456.41	0.15317	447406.61	
3764460.65	0.15431			
447441.47	3764460.04	0.15518	447466.88	
3764460.20	0.15609			
447490.00	3764460.56	0.15737	447515.50	
3764460.40	0.15927			
447573.06	3764454.29	0.16516	447598.49	
3764445.22	0.16721			
447652.90	3764439.70	0.16779	447692.92	
3764439.51	0.17014			
447713.82	3764439.11	0.17107	447731.95	
3764438.72	0.17151			

447751.07	3764438.72	0.17198	447768.82
3764437.53	0.17214		
447789.12	3764437.73	0.17169	447805.68
3764437.34	0.17152		
447824.02	3764437.20	0.17129	447841.61
3764437.87	0.17116		
447861.72	3764437.53	0.17129	447881.66
3764435.18	0.17180		
447902.78	3764436.19	0.17186	447920.87
3764435.35	0.17230		
447942.16	3764435.35	0.17288	447962.77
3764434.85	0.17372		
447980.70	3764435.18	0.17451	448004.66
3764435.18	0.17645		
448021.25	3764434.68	0.17958	447662.70
3764379.63	0.17411		
447681.30	3764320.98	0.18344	447682.64
3764285.79	0.19149		
447662.53	3764238.37	0.20099	447661.70
3764207.37	0.20898		
447683.14	3764162.29	0.22325	447680.97
3764145.87	0.22797		
447679.63	3764130.28	0.23284	447680.80
3764112.02	0.23876		
447681.47	3764096.43	0.24320	447680.80
3764078.84	0.24763		
447679.96	3764064.26	0.25070	447680.97
3764045.82	0.25464		
447680.63	3764029.74	0.25791	447657.17
3763992.03	0.26600		
447656.33	3763967.06	0.27133	447657.17
3763928.69	0.28103		
447657.17	3763902.21	0.28794	447657.51
3763869.03	0.29918		
447656.16	3763834.94	0.30887	447655.93
3763808.27	0.31613		
447657.09	3763786.00	0.32261	447701.21
3763782.14	0.32903		
447856.92	3763749.71	0.37846	447854.99
3763730.13	0.38848		
447854.35	3763698.35	0.40609	447855.31
3763676.84	0.41905		
447675.51	3763287.46	0.64955	448481.33
3763485.29	0.67128		
448479.95	3763195.53	1.34868	448478.56
3762907.16	3.37893		
448497.89	3762714.10	9.04227	448507.91
3762487.71	72.80872		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 197

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 6BSPILL ***

INCLUDING SOURCE(S): 6BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD

(M)	CONC		
448480.49	3762357.96	21.46275	448462.73
3762339.82	21.05252		
448464.47	3762265.93	11.79746	448461.57
3762165.17	6.49223		
448472.57	3762064.71	4.03048	448460.48
3762016.72	3.40029		
448234.63	3761951.18	2.98151	448081.42
3761952.78	2.90741		
448025.53	3761955.99	2.75903	447506.75
3761967.63	1.04829		
447269.29	3761967.74	0.71514	447389.46
3761908.79	0.84627		
447019.14	3761964.34	0.51245	447060.33
3761963.58	0.53895		
446975.31	3761963.20	0.48637	446940.92
3761953.76	0.46703		
446865.72	3761974.54	0.43058	446795.06
3761957.91	0.39897		
446757.65	3761965.85	0.38419	446709.33
3761967.74	0.36616		
446796.42	3762028.62	0.40178	446796.97
3762045.28	0.40257		
446796.70	3762089.51	0.40415	446796.15
3762105.89	0.40441		
446796.70	3762137.29	0.40546	446796.15
3762153.39	0.40558		
446772.40	3762215.37	0.39645	446795.06
3762321.03	0.40463		
446796.42	3762450.98	0.39967	446796.42
3762471.18	0.39849		
446797.24	3762496.03	0.39727	446798.06
3762516.51	0.39621		
446797.79	3762539.98	0.39438	446797.52
3762560.19	0.39268		
446798.61	3762584.76	0.39107	446798.06
3762604.42	0.38907		
446799.70	3762654.11	0.38478	446799.97
3762674.58	0.38268		
446800.25	3762700.25	0.37991	446800.25
3762721.27	0.37750		
446799.97	3762735.74	0.37571	446797.79
3762748.02	0.37344		
446802.16	3762913.47	0.35412	446802.16
3762932.58	0.35164		
446802.43	3762949.24	0.34958	446802.98
3762967.26	0.34745		
446802.70	3762986.09	0.34494	446802.16
3763003.29	0.34257		
446802.16	3763021.86	0.34022	446802.70
3763040.70	0.33802		
446802.98	3763059.26	0.33579	446803.52
3763077.01	0.33375		
446756.29	3763085.26	0.31894	446807.68
3763646.39	0.22453		
446808.32	3763674.66	0.22066	446807.68
3763694.57	0.21755		
446808.32	3763710.63	0.21557	446808.32
3763726.37	0.21357		
446808.00	3763742.11	0.21179	446808.32
3763756.89	0.21017		
446808.64	3763798.32	0.20418	446810.25
3764484.08	0.12510		
446781.34	3764475.08	0.12403	446722.56

3764455.81	0.12228		
446170.32	3764559.79	0.09816	446872.29
3763190.26	0.32989		
446925.22	3763179.19	0.34611	446984.86
3763194.88	0.36601		
447010.56	3763193.28	0.37131	447036.58
3763193.60	0.38046		
447053.61	3763193.28	0.38626	447076.42
3763192.31	0.39358		
447093.45	3763192.63	0.39798	447122.05
3763192.63	0.41210		
447138.75	3763192.31	0.42018	447167.99
3763192.31	0.43416		
447170.68	3763172.18	0.44428	447170.41
3763158.25	0.45093		
447169.31	3763144.87	0.45438	447147.46
3763107.45	0.44967		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 198

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6BSPILL ***
INCLUDING SOURCE(S): 6BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447146.64	3763084.24	0.45743	447146.92	
3763064.30	0.46705			
447149.92	3763038.90	0.48170	447148.56	
3763019.78	0.48584			
447148.56	3762997.39	0.49150	447206.08	
3762958.49	0.53695			
447209.33	3762922.51	0.54940	447208.40	
3762890.70	0.55779			
447145.83	3762888.87	0.51686	447122.55	
3762889.07	0.50263			
447094.33	3762890.05	0.48604	447071.04	
3762890.45	0.47309			
447043.61	3762889.66	0.45880	447017.76	
3762888.87	0.44596			
446992.11	3762889.07	0.43360	446964.28	
3762888.28	0.42098			
446940.41	3762888.47	0.41049	446911.20	
3762888.08	0.39833			
446885.35	3762889.66	0.38772	446862.07	
3762888.87	0.37888			
446871.45	3762779.57	0.39831	446926.31	
3762768.72	0.42376			
446983.74	3762774.24	0.45040	447009.00	
3762774.05	0.46346			
447030.51	3762774.44	0.47502	447055.37	
3762774.05	0.48909			
447076.88	3762774.24	0.50166	447101.16	
3762774.44	0.51644			

447123.85	3762774.05	0.53109	447148.12
3762775.03	0.54712		
447170.23	3762774.84	0.56271	447196.78
3762775.48	0.58218		
447242.12	3762776.57	0.61802	447262.33
3762776.03	0.63549		
447294.56	3762776.30	0.66467	447313.13
3762775.48	0.68280		
447313.40	3762749.53	0.69281	447327.86
3762713.09	0.72186		
447327.36	3762679.87	0.73418	447327.74
3762657.02	0.74312		
447327.28	3762636.82	0.74990	447327.51
3762612.90	0.75848		
447327.28	3762592.24	0.76490	447327.04
3762569.71	0.77144		
447327.28	3762547.89	0.77788	447326.58
3762524.67	0.78301		
447326.58	3762506.09	0.78742	447327.51
3762477.53	0.79472		
447325.88	3762454.31	0.79699	447225.58
3762432.95	0.68496		
447200.27	3762430.63	0.66028	447156.85
3762430.16	0.62076		
447131.77	3762430.86	0.59957	447102.74
3762430.63	0.57652		
447079.06	3762430.86	0.55870	447034.94
3762433.65	0.52769		
446995.47	3762433.65	0.50246	446972.71
3762434.34	0.48875		
446941.37	3762434.58	0.47093	446916.06
3762436.90	0.45714		
446876.35	3762436.90	0.43695	446848.85
3762647.05	0.40586		
446848.85	3762563.17	0.41448	446849.17
3762509.82	0.41905		
446849.17	3762455.82	0.42281	446848.85
3762702.00	0.39922		
446849.49	3762754.71	0.39271	446739.81
3762428.53	0.37785		
446711.81	3762423.61	0.36749	446687.25
3762416.25	0.35889		
446662.20	3762412.32	0.35033	446636.17
3762403.97	0.34194		
449981.72	3762732.45	1.12158	446486.82
3762231.95	0.30146		
446261.97	3762068.01	0.24981	446443.15
3762291.63	0.28947		
446071.80	3762055.49	0.21650	446072.08
3761983.13	0.21595		
446138.18	3762002.17	0.22683	445884.94
3762039.75	0.19028		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 199

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8BREAT ***
INCLUDING SOURCE(S): 8BREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3

**

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447362.21	3764292.67	0.15270	447375.98	
3764150.98	0.17125			
447389.75	3764043.04	0.19039	447450.16	
3764031.05	0.19743			
447410.18	3764019.05	0.19621	446891.90	
3764451.22	0.11798			
446959.28	3764451.22	0.12095	446995.28	
3764468.13	0.12102			
447007.41	3764467.30	0.12143	447023.51	
3764466.09	0.12217			
447036.59	3764466.21	0.12270	447052.68	
3764465.61	0.12330			
447066.60	3764465.73	0.12374	447099.65	
3764456.17	0.12568			
447145.28	3764468.27	0.12655	447175.54	
3764468.03	0.12830			
447205.32	3764468.27	0.12984	447232.43	
3764467.55	0.12992			
447264.02	3764467.30	0.12915	447294.77	
3764466.94	0.12939			
447364.97	3764456.41	0.13328	447406.61	
3764460.65	0.13448			
447441.47	3764460.04	0.13546	447466.88	
3764460.20	0.13633			
447490.00	3764460.56	0.13738	447515.50	
3764460.40	0.13879			
447573.06	3764454.29	0.14271	447598.49	
3764445.22	0.14407			
447652.90	3764439.70	0.14388	447692.92	
3764439.51	0.14496			
447713.82	3764439.11	0.14543	447731.95	
3764438.72	0.14567			
447751.07	3764438.72	0.14604	447768.82	
3764437.53	0.14630			
447789.12	3764437.73	0.14625	447805.68	
3764437.34	0.14646			
447824.02	3764437.20	0.14672	447841.61	
3764437.87	0.14707			
447861.72	3764437.53	0.14769	447881.66	
3764435.18	0.14857			
447902.78	3764436.19	0.14905	447920.87	
3764435.35	0.14968			
447942.16	3764435.35	0.15034	447962.77	
3764434.85	0.15106			
447980.70	3764435.18	0.15163	448004.66	
3764435.18	0.15290			
448021.25	3764434.68	0.15493	447662.70	
3764379.63	0.14936			
447681.30	3764320.98	0.15680	447682.64	
3764285.79	0.16313			
447662.53	3764238.37	0.17096	447661.70	
3764207.37	0.17702			
447683.14	3764162.29	0.18729	447680.97	
3764145.87	0.19077			
447679.63	3764130.28	0.19429	447680.80	
3764112.02	0.19849			
447681.47	3764096.43	0.20172	447680.80	
3764078.84	0.20503			
447679.96	3764064.26	0.20745	447680.97	

3764045.82	0.21056		
447680.63	3764029.74	0.21318	447657.17
3763992.03	0.21914		
447656.33	3763967.06	0.22333	447657.17
3763928.69	0.23067		
447657.17	3763902.21	0.23588	447657.51
3763869.03	0.24392		
447656.16	3763834.94	0.25118	447655.93
3763808.27	0.25677		
447657.09	3763786.00	0.26177	447701.21
3763782.14	0.26677		
447856.92	3763749.71	0.29899	447854.99
3763730.13	0.30600		
447854.35	3763698.35	0.31817	447855.31
3763676.84	0.32699		
447675.51	3763287.46	0.48837	448481.33
3763485.29	0.49526		
448479.95	3763195.53	0.88473	448478.56
3762907.16	2.18334		
448497.89	3762714.10	4.44362	448507.91
3762487.71	21.94479		

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 200

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8BREAT ***
INCLUDING SOURCE(S): 8BREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	83.57240	448462.73	
3762339.82	100.02516			
448464.47	3762265.93	33.99585	448461.57	
3762165.17	14.15244			
448472.57	3762064.71	7.23195	448460.48	
3762016.72	5.82175			
448234.63	3761951.18	5.01012	448081.42	
3761952.78	4.23387			
448025.53	3761955.99	3.78456	447506.75	
3761967.63	1.12241			
447269.29	3761967.74	0.75021	447389.46	
3761908.79	0.89942			
447019.14	3761964.34	0.53236	447060.33	
3761963.58	0.56058			
446975.31	3761963.20	0.50468	446940.92	
3761953.76	0.48433			
446865.72	3761974.54	0.44543	446795.06	
3761957.91	0.41234			
446757.65	3761965.85	0.39658	446709.33	
3761967.74	0.37752			
446796.42	3762028.62	0.41354	446796.97	
3762045.28	0.41380			
446796.70	3762089.51	0.41379	446796.15	
3762105.89	0.41336			

446796.70	3762137.29	0.41310	446796.15
3762153.39	0.41251		
446772.40	3762215.37	0.40060	446795.06
3762321.03	0.40532		
446796.42	3762450.98	0.39661	446796.42
3762471.18	0.39485		
446797.24	3762496.03	0.39289	446798.06
3762516.51	0.39120		
446797.79	3762539.98	0.38866	446797.52
3762560.19	0.38640		
446798.61	3762584.76	0.38413	446798.06
3762604.42	0.38167		
446799.70	3762654.11	0.37641	446799.97
3762674.58	0.37400		
446800.25	3762700.25	0.37090	446800.25
3762721.27	0.36828		
446799.97	3762735.74	0.36636	446797.79
3762748.02	0.36404		
446802.16	3762913.47	0.34380	446802.16
3762932.58	0.34120		
446802.43	3762949.24	0.33901	446802.98
3762967.26	0.33670		
446802.70	3762986.09	0.33400	446802.16
3763003.29	0.33144		
446802.16	3763021.86	0.32883	446802.70
3763040.70	0.32633		
446802.98	3763059.26	0.32378	446803.52
3763077.01	0.32142		
446756.29	3763085.26	0.30785	446807.68
3763646.39	0.19296		
446808.32	3763674.66	0.18956	446807.68
3763694.57	0.18695		
446808.32	3763710.63	0.18514	446808.32
3763726.37	0.18333		
446808.00	3763742.11	0.18161	446808.32
3763756.89	0.18006		
446808.64	3763798.32	0.17503	446810.25
3764484.08	0.11231		
446781.34	3764475.08	0.11163	446722.56
3764455.81	0.11054		
446170.32	3764559.79	0.08747	446872.29
3763190.26	0.27477		
446925.22	3763179.19	0.28781	446984.86
3763194.88	0.30001		
447010.56	3763193.28	0.30542	447036.58
3763193.60	0.31191		
447053.61	3763193.28	0.31623	447076.42
3763192.31	0.32200		
447093.45	3763192.63	0.32583	447122.05
3763192.63	0.33470		
447138.75	3763192.31	0.33992	447167.99
3763192.31	0.34900		
447170.68	3763172.18	0.35612	447170.41
3763158.25	0.36060		
447169.31	3763144.87	0.36387	447147.46
3763107.45	0.36519		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 201

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 8BREAT ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.37168	447146.92	
3763064.30	0.37837			
447149.92	3763038.90	0.38865	447148.56	
3763019.78	0.39469			
447148.56	3762997.39	0.40310	447206.08	
3762958.49	0.50514			
447209.33	3762922.51	0.51873	447208.40	
3762890.70	0.52846			
447145.83	3762888.87	0.49262	447122.55	
3762889.07	0.47997			
447094.33	3762890.05	0.46511	447071.04	
3762890.45	0.45346			
447043.61	3762889.66	0.44059	447017.76	
3762888.87	0.42897			
446992.11	3762889.07	0.41770	446964.28	
3762888.28	0.40616			
446940.41	3762888.47	0.39652	446911.20	
3762888.08	0.38531			
446885.35	3762889.66	0.37545	446862.07	
3762888.87	0.36725			
446871.45	3762779.57	0.38706	446926.31	
3762768.72	0.41114			
446983.74	3762774.24	0.43594	447009.00	
3762774.05	0.44810			
447030.51	3762774.44	0.45883	447055.37	
3762774.05	0.47188			
447076.88	3762774.24	0.48349	447101.16	
3762774.44	0.49709			
447123.85	3762774.05	0.51055	447148.12	
3762775.03	0.52518			
447170.23	3762774.84	0.53940	447196.78	
3762775.48	0.55705			
447242.12	3762776.57	0.58930	447262.33	
3762776.03	0.60499			
447294.56	3762776.30	0.63095	447313.13	
3762775.48	0.64706			
447313.40	3762749.53	0.65793	447327.86	
3762713.09	0.68657			
447327.36	3762679.87	0.70013	447327.74	
3762657.02	0.70996			
447327.28	3762636.82	0.71773	447327.51	
3762612.90	0.72762			
447327.28	3762592.24	0.73546	447327.04	
3762569.71	0.74383			
447327.28	3762547.89	0.75226	447326.58	
3762524.67	0.75985			
447326.58	3762506.09	0.76636	447327.51	
3762477.53	0.77703			
447325.88	3762454.31	0.78222	447225.58	
3762432.95	0.67624			
447200.27	3762430.63	0.65242	447156.85	
3762430.16	0.61389			
447131.77	3762430.86	0.59316	447102.74	
3762430.63	0.57064			
447079.06	3762430.86	0.55318	447034.94	

3762433.65	0.52269		
446995.47	3762433.65	0.49799	446972.71
3762434.34	0.48453		
446941.37	3762434.58	0.46707	446916.06
3762436.90	0.45347		
446876.35	3762436.90	0.43366	446848.85
3762647.05	0.39665		
446848.85	3762563.17	0.40729	446849.17
3762509.82	0.41360		
446849.17	3762455.82	0.41913	446848.85
3762702.00	0.38919		
446849.49	3762754.71	0.38216	446739.81
3762428.53	0.37576		
446711.81	3762423.61	0.36567	446687.25
3762416.25	0.35736		
446662.20	3762412.32	0.34899	446636.17
3762403.97	0.34087		
449981.72	3762732.45	1.11674	446486.82
3762231.95	0.30346		
446261.97	3762068.01	0.25345	446443.15
3762291.63	0.29043		
446071.80	3762055.49	0.21927	446072.08
3761983.13	0.21961		
446138.18	3762002.17	0.23066	445884.94
3762039.75	0.19248		

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops ***          10/19/22
*** AERMET - VERSION 16216 ***
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PAGE 202

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8LOAD ***
INCLUDING SOURCE(S): 8LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	0.15270	447375.98	
3764150.98	0.17125			
447389.75	3764043.04	0.19039	447450.16	
3764031.05	0.19743			
447410.18	3764019.05	0.19621	446891.90	
3764451.22	0.11798			
446959.28	3764451.22	0.12095	446995.28	
3764468.13	0.12102			
447007.41	3764467.30	0.12143	447023.51	
3764466.09	0.12217			
447036.59	3764466.21	0.12270	447052.68	
3764465.61	0.12330			
447066.60	3764465.73	0.12374	447099.65	
3764456.17	0.12568			
447145.28	3764468.27	0.12655	447175.54	
3764468.03	0.12830			
447205.32	3764468.27	0.12984	447232.43	
3764467.55	0.12992			
447264.02	3764467.30	0.12915	447294.77	
3764466.94	0.12939			

447364.97	3764456.41	0.13328	447406.61
3764460.65	0.13448		
447441.47	3764460.04	0.13546	447466.88
3764460.20	0.13633		
447490.00	3764460.56	0.13738	447515.50
3764460.40	0.13879		
447573.06	3764454.29	0.14271	447598.49
3764445.22	0.14407		
447652.90	3764439.70	0.14387	447692.92
3764439.51	0.14496		
447713.82	3764439.11	0.14543	447731.95
3764438.72	0.14567		
447751.07	3764438.72	0.14604	447768.82
3764437.53	0.14630		
447789.12	3764437.73	0.14625	447805.68
3764437.34	0.14645		
447824.02	3764437.20	0.14672	447841.61
3764437.87	0.14707		
447861.72	3764437.53	0.14769	447881.66
3764435.18	0.14857		
447902.78	3764436.19	0.14905	447920.87
3764435.35	0.14968		
447942.16	3764435.35	0.15034	447962.77
3764434.85	0.15106		
447980.70	3764435.18	0.15163	448004.66
3764435.18	0.15290		
448021.25	3764434.68	0.15493	447662.70
3764379.63	0.14936		
447681.30	3764320.98	0.15680	447682.64
3764285.79	0.16313		
447662.53	3764238.37	0.17096	447661.70
3764207.37	0.17702		
447683.14	3764162.29	0.18729	447680.97
3764145.87	0.19077		
447679.63	3764130.28	0.19429	447680.80
3764112.02	0.19849		
447681.47	3764096.43	0.20172	447680.80
3764078.84	0.20503		
447679.96	3764064.26	0.20745	447680.97
3764045.82	0.21056		
447680.63	3764029.74	0.21318	447657.17
3763992.03	0.21914		
447656.33	3763967.06	0.22333	447657.17
3763928.69	0.23067		
447657.17	3763902.21	0.23588	447657.51
3763869.03	0.24391		
447656.16	3763834.94	0.25118	447655.93
3763808.27	0.25677		
447657.09	3763786.00	0.26177	447701.21
3763782.14	0.26677		
447856.92	3763749.71	0.29899	447854.99
3763730.13	0.30600		
447854.35	3763698.35	0.31817	447855.31
3763676.84	0.32699		
447675.51	3763287.46	0.48837	448481.33
3763485.29	0.49526		
448479.95	3763195.53	0.88473	448478.56
3762907.16	2.18338		
448497.89	3762714.10	4.44375	448507.91
3762487.71	21.94552		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***

09:18:50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8LOAD ***

INCLUDING SOURCE(S): 8LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
448480.49	3762357.96	83.57344	448462.73	
3762339.82	100.02588			
448464.47	3762265.93	33.99634	448461.57	
3762165.17	14.15260			
448472.57	3762064.71	7.23201	448460.48	
3762016.72	5.82180			
448234.63	3761951.18	5.01014	448081.42	
3761952.78	4.23389			
448025.53	3761955.99	3.78457	447506.75	
3761967.63	1.12241			
447269.29	3761967.74	0.75022	447389.46	
3761908.79	0.89942			
447019.14	3761964.34	0.53236	447060.33	
3761963.58	0.56058			
446975.31	3761963.20	0.50468	446940.92	
3761953.76	0.48433			
446865.72	3761974.54	0.44543	446795.06	
3761957.91	0.41234			
446757.65	3761965.85	0.39659	446709.33	
3761967.74	0.37752			
446796.42	3762028.62	0.41354	446796.97	
3762045.28	0.41381			
446796.70	3762089.51	0.41379	446796.15	
3762105.89	0.41337			
446796.70	3762137.29	0.41310	446796.15	
3762153.39	0.41251			
446772.40	3762215.37	0.40060	446795.06	
3762321.03	0.40532			
446796.42	3762450.98	0.39661	446796.42	
3762471.18	0.39485			
446797.24	3762496.03	0.39289	446798.06	
3762516.51	0.39120			
446797.79	3762539.98	0.38866	446797.52	
3762560.19	0.38640			
446798.61	3762584.76	0.38413	446798.06	
3762604.42	0.38167			
446799.70	3762654.11	0.37641	446799.97	
3762674.58	0.37400			
446800.25	3762700.25	0.37090	446800.25	
3762721.27	0.36828			
446799.97	3762735.74	0.36636	446797.79	
3762748.02	0.36404			
446802.16	3762913.47	0.34381	446802.16	
3762932.58	0.34120			
446802.43	3762949.24	0.33901	446802.98	
3762967.26	0.33670			
446802.70	3762986.09	0.33400	446802.16	
3763003.29	0.33144			
446802.16	3763021.86	0.32883	446802.70	
3763040.70	0.32633			
446802.98	3763059.26	0.32378	446803.52	

3763077.01	0.32142		
446756.29	3763085.26	0.30785	446807.68
3763646.39	0.19296		
446808.32	3763674.66	0.18956	446807.68
3763694.57	0.18695		
446808.32	3763710.63	0.18514	446808.32
3763726.37	0.18333		
446808.00	3763742.11	0.18161	446808.32
3763756.89	0.18006		
446808.64	3763798.32	0.17503	446810.25
3764484.08	0.11231		
446781.34	3764475.08	0.11163	446722.56
3764455.81	0.11054		
446170.32	3764559.79	0.08747	446872.29
3763190.26	0.27477		
446925.22	3763179.19	0.28781	446984.86
3763194.88	0.30001		
447010.56	3763193.28	0.30542	447036.58
3763193.60	0.31191		
447053.61	3763193.28	0.31623	447076.42
3763192.31	0.32200		
447093.45	3763192.63	0.32583	447122.05
3763192.63	0.33470		
447138.75	3763192.31	0.33992	447167.99
3763192.31	0.34900		
447170.68	3763172.18	0.35612	447170.41
3763158.25	0.36060		
447169.31	3763144.87	0.36387	447147.46
3763107.45	0.36519		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 204

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8LOAD ***
INCLUDING SOURCE(S): 8LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.37168	447146.92	
3763064.30	0.37837			
447149.92	3763038.90	0.38865	447148.56	
3763019.78	0.39469			
447148.56	3762997.39	0.40310	447206.08	
3762958.49	0.50514			
447209.33	3762922.51	0.51873	447208.40	
3762890.70	0.52846			
447145.83	3762888.87	0.49262	447122.55	
3762889.07	0.47998			
447094.33	3762890.05	0.46511	447071.04	
3762890.45	0.45347			
447043.61	3762889.66	0.44059	447017.76	
3762888.87	0.42897			
446992.11	3762889.07	0.41770	446964.28	
3762888.28	0.40616			

446940.41	3762888.47	0.39652	446911.20
3762888.08	0.38531		
446885.35	3762889.66	0.37545	446862.07
3762888.87	0.36725		
446871.45	3762779.57	0.38707	446926.31
3762768.72	0.41114		
446983.74	3762774.24	0.43594	447009.00
3762774.05	0.44810		
447030.51	3762774.44	0.45883	447055.37
3762774.05	0.47189		
447076.88	3762774.24	0.48349	447101.16
3762774.44	0.49709		
447123.85	3762774.05	0.51055	447148.12
3762775.03	0.52518		
447170.23	3762774.84	0.53940	447196.78
3762775.48	0.55706		
447242.12	3762776.57	0.58931	447262.33
3762776.03	0.60499		
447294.56	3762776.30	0.63096	447313.13
3762775.48	0.64706		
447313.40	3762749.53	0.65793	447327.86
3762713.09	0.68657		
447327.36	3762679.87	0.70013	447327.74
3762657.02	0.70996		
447327.28	3762636.82	0.71773	447327.51
3762612.90	0.72762		
447327.28	3762592.24	0.73547	447327.04
3762569.71	0.74383		
447327.28	3762547.89	0.75226	447326.58
3762524.67	0.75985		
447326.58	3762506.09	0.76637	447327.51
3762477.53	0.77704		
447325.88	3762454.31	0.78223	447225.58
3762432.95	0.67625		
447200.27	3762430.63	0.65242	447156.85
3762430.16	0.61390		
447131.77	3762430.86	0.59316	447102.74
3762430.63	0.57065		
447079.06	3762430.86	0.55319	447034.94
3762433.65	0.52269		
446995.47	3762433.65	0.49799	446972.71
3762434.34	0.48453		
446941.37	3762434.58	0.46707	446916.06
3762436.90	0.45347		
446876.35	3762436.90	0.43366	446848.85
3762647.05	0.39665		
446848.85	3762563.17	0.40729	446849.17
3762509.82	0.41361		
446849.17	3762455.82	0.41914	446848.85
3762702.00	0.38919		
446849.49	3762754.71	0.38216	446739.81
3762428.53	0.37576		
446711.81	3762423.61	0.36567	446687.25
3762416.25	0.35736		
446662.20	3762412.32	0.34899	446636.17
3762403.97	0.34087		
449981.72	3762732.45	1.11674	446486.82
3762231.95	0.30346		
446261.97	3762068.01	0.25346	446443.15
3762291.63	0.29043		
446071.80	3762055.49	0.21927	446072.08
3761983.13	0.21961		
446138.18	3762002.17	0.23066	445884.94
3762039.75	0.19248		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 8REF ***
 INCLUDING SOURCE(S): 8REF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

X-COORD (M)		Y-COORD (M)		CONC	X-COORD (M)		Y-COORD
(M)	CONC						
447362.21		3764292.67		0.16023	447375.98		
3764150.98		0.18053					
447389.75		3764043.04		0.20170	447450.16		
3764031.05		0.20949					
447410.18		3764019.05		0.20815	446891.90		
3764451.22		0.12239					
446959.28		3764451.22		0.12582	446995.28		
3764468.13		0.12605					
447007.41		3764467.30		0.12651	447023.51		
3764466.09		0.12735					
447036.59		3764466.21		0.12798	447052.68		
3764465.61		0.12866					
447066.60		3764465.73		0.12916	447099.65		
3764456.17		0.13130					
447145.28		3764468.27		0.13236	447175.54		
3764468.03		0.13435					
447205.32		3764468.27		0.13606	447232.43		
3764467.55		0.13592					
447264.02		3764467.30		0.13473	447294.77		
3764466.94		0.13476					
447364.97		3764456.41		0.13864	447406.61		
3764460.65		0.13979					
447441.47		3764460.04		0.14076	447466.88		
3764460.20		0.14172					
447490.00		3764460.56		0.14296	447515.50		
3764460.40		0.14468					
447573.06		3764454.29		0.14956	447598.49		
3764445.22		0.15117					
447652.90		3764439.70		0.15112	447692.92		
3764439.51		0.15246					
447713.82		3764439.11		0.15296	447731.95		
3764438.72		0.15315					
447751.07		3764438.72		0.15342	447768.82		
3764437.53		0.15352					
447789.12		3764437.73		0.15320	447805.68		
3764437.34		0.15318					
447824.02		3764437.20		0.15318	447841.61		
3764437.87		0.15332					
447861.72		3764437.53		0.15372	447881.66		
3764435.18		0.15443					
447902.78		3764436.19		0.15475	447920.87		
3764435.35		0.15530					
447942.16		3764435.35		0.15593	447962.77		
3764434.85		0.15672					
447980.70		3764435.18		0.15740	448004.66		
3764435.18		0.15899					
448021.25		3764434.68		0.16154	447662.70		

3764379.63	0.15671		
447681.30	3764320.98	0.16463	447682.64
3764285.79	0.17150		
447662.53	3764238.37	0.17979	447661.70
3764207.37	0.18644		
447683.14	3764162.29	0.19800	447680.97
3764145.87	0.20186		
447679.63	3764130.28	0.20580	447680.80
3764112.02	0.21057		
447681.47	3764096.43	0.21415	447680.80
3764078.84	0.21776		
447679.96	3764064.26	0.22029	447680.97
3764045.82	0.22354		
447680.63	3764029.74	0.22625	447657.17
3763992.03	0.23259		
447656.33	3763967.06	0.23691	447657.17
3763928.69	0.24470		
447657.17	3763902.21	0.25025	447657.51
3763869.03	0.25915		
447656.16	3763834.94	0.26694	447655.93
3763808.27	0.27284		
447657.09	3763786.00	0.27812	447701.21
3763782.14	0.28328		
447856.92	3763749.71	0.32140	447854.99
3763730.13	0.32923		
447854.35	3763698.35	0.34287	447855.31
3763676.84	0.35282		
447675.51	3763287.46	0.53250	448481.33
3763485.29	0.53736		
448479.95	3763195.53	0.99113	448478.56
3762907.16	2.26483		
448497.89	3762714.10	4.74438	448507.91
3762487.71	25.53921		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 206

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8REF ***
INCLUDING SOURCE(S): 8REF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
448480.49	3762357.96	100.44727	448462.73	
3762339.82	103.42381			
448464.47	3762265.93	32.09261	448461.57	
3762165.17	13.48818			
448472.57	3762064.71	6.90908	448460.48	
3762016.72	5.54143			
448234.63	3761951.18	4.66227	448081.42	
3761952.78	4.02498			
448025.53	3761955.99	3.60565	447506.75	
3761967.63	1.07950			
447269.29	3761967.74	0.72598	447389.46	
3761908.79	0.86836			

447019.14	3761964.34	0.51801	447060.33
3761963.58	0.54501		
446975.31	3761963.20	0.49149	446940.92
3761953.76	0.47187		
446865.72	3761974.54	0.43471	446795.06
3761957.91	0.40272		
446757.65	3761965.85	0.38765	446709.33
3761967.74	0.36932		
446796.42	3762028.62	0.40468	446796.97
3762045.28	0.40514		
446796.70	3762089.51	0.40556	446796.15
3762105.89	0.40531		
446796.70	3762137.29	0.40534	446796.15
3762153.39	0.40491		
446772.40	3762215.37	0.39368	446795.06
3762321.03	0.39868		
446796.42	3762450.98	0.39050	446796.42
3762471.18	0.38881		
446797.24	3762496.03	0.38693	446798.06
3762516.51	0.38533		
446797.79	3762539.98	0.38288	446797.52
3762560.19	0.38067		
446798.61	3762584.76	0.37844	446798.06
3762604.42	0.37603		
446799.70	3762654.11	0.37081	446799.97
3762674.58	0.36841		
446800.25	3762700.25	0.36533	446800.25
3762721.27	0.36273		
446799.97	3762735.74	0.36084	446797.79
3762748.02	0.35856		
446802.16	3762913.47	0.33917	446802.16
3762932.58	0.33674		
446802.43	3762949.24	0.33471	446802.98
3762967.26	0.33258		
446802.70	3762986.09	0.33008	446802.16
3763003.29	0.32771		
446802.16	3763021.86	0.32530	446802.70
3763040.70	0.32300		
446802.98	3763059.26	0.32065	446803.52
3763077.01	0.31847		
446756.29	3763085.26	0.30496	446807.68
3763646.39	0.20325		
446808.32	3763674.66	0.19973	446807.68
3763694.57	0.19696		
446808.32	3763710.63	0.19511	446808.32
3763726.37	0.19323		
446808.00	3763742.11	0.19150	446808.32
3763756.89	0.18992		
446808.64	3763798.32	0.18446	446810.25
3764484.08	0.11615		
446781.34	3764475.08	0.11530	446722.56
3764455.81	0.11394		
446170.32	3764559.79	0.09065	446872.29
3763190.26	0.29329		
446925.22	3763179.19	0.30703	446984.86
3763194.88	0.32191		
447010.56	3763193.28	0.32675	447036.58
3763193.60	0.33400		
447053.61	3763193.28	0.33866	447076.42
3763192.31	0.34464		
447093.45	3763192.63	0.34833	447122.05
3763192.63	0.35908		
447138.75	3763192.31	0.36525	447167.99
3763192.31	0.37588		
447170.68	3763172.18	0.38418	447170.41
3763158.25	0.38959		

447169.31 3763144.87 0.39290 447147.46
3763107.45 0.39183

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 207

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8REF ***
INCLUDING SOURCE(S): 8REF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	0.39886	447146.92	
3763064.30	0.40681			
447149.92	3763038.90	0.41968	447148.56	
3763019.78	0.42700			
447148.56	3762997.39	0.43788	447206.08	
3762958.49	0.50090			
447209.33	3762922.51	0.51372	447208.40	
3762890.70	0.52270			
447145.83	3762888.87	0.48684	447122.55	
3762889.07	0.47422			
447094.33	3762890.05	0.45942	447071.04	
3762890.45	0.44782			
447043.61	3762889.66	0.43499	447017.76	
3762888.87	0.42341			
446992.11	3762889.07	0.41221	446964.28	
3762888.28	0.40075			
446940.41	3762888.47	0.39118	446911.20	
3762888.08	0.38006			
446885.35	3762889.66	0.37031	446862.07	
3762888.87	0.36218			
446871.45	3762779.57	0.38114	446926.31	
3762768.72	0.40474			
446983.74	3762774.24	0.42910	447009.00	
3762774.05	0.44106			
447030.51	3762774.44	0.45161	447055.37	
3762774.05	0.46445			
447076.88	3762774.24	0.47587	447101.16	
3762774.44	0.48927			
447123.85	3762774.05	0.50253	447148.12	
3762775.03	0.51698			
447170.23	3762774.84	0.53100	447196.78	
3762775.48	0.54846			
447242.12	3762776.57	0.58039	447262.33	
3762776.03	0.59591			
447294.56	3762776.30	0.62166	447313.13	
3762775.48	0.63763			
447313.40	3762749.53	0.64762	447327.86	
3762713.09	0.67491			
447327.36	3762679.87	0.68750	447327.74	
3762657.02	0.69675			
447327.28	3762636.82	0.70409	447327.51	
3762612.90	0.71351			
447327.28	3762592.24	0.72102	447327.04	

3762569.71	0.72907		
447327.28	3762547.89	0.73720	447326.58
3762524.67	0.74451		
447326.58	3762506.09	0.75073	447327.51
3762477.53	0.76090		
447325.88	3762454.31	0.76580	447225.58
3762432.95	0.66288		
447200.27	3762430.63	0.63973	447156.85
3762430.16	0.60232		
447131.77	3762430.86	0.58216	447102.74
3762430.63	0.56027		
447079.06	3762430.86	0.54329	447034.94
3762433.65	0.51360		
446995.47	3762433.65	0.48951	446972.71
3762434.34	0.47638		
446941.37	3762434.58	0.45931	446916.06
3762436.90	0.44602		
446876.35	3762436.90	0.42668	446848.85
3762647.05	0.39061		
446848.85	3762563.17	0.40111	446849.17
3762509.82	0.40722		
446849.17	3762455.82	0.41252	446848.85
3762702.00	0.38322		
446849.49	3762754.71	0.37631	446739.81
3762428.53	0.37008		
446711.81	3762423.61	0.36019	446687.25
3762416.25	0.35204		
446662.20	3762412.32	0.34383	446636.17
3762403.97	0.33585		
449981.72	3762732.45	1.20331	446486.82
3762231.95	0.29894		
446261.97	3762068.01	0.24970	446443.15
3762291.63	0.28626		
446071.80	3762055.49	0.21630	446072.08
3761983.13	0.21644		
446138.18	3762002.17	0.22726	445884.94
3762039.75	0.19006		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 208

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8SPILL ***
INCLUDING SOURCE(S): 8SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	0.16204	447375.98	
3764150.98	0.18303			
447389.75	3764043.04	0.20500	447450.16	
3764031.05	0.21294			
447410.18	3764019.05	0.21167	446891.90	
3764451.22	0.12336			
446959.28	3764451.22	0.12687	446995.28	
3764468.13	0.12719			

447007.41	3764467.30	0.12768	447023.51
3764466.09	0.12860		
447036.59	3764466.21	0.12928	447052.68
3764465.61	0.13002		
447066.60	3764465.73	0.13058	447099.65
3764456.17	0.13283		
447145.28	3764468.27	0.13398	447175.54
3764468.03	0.13601		
447205.32	3764468.27	0.13772	447232.43
3764467.55	0.13745		
447264.02	3764467.30	0.13600	447294.77
3764466.94	0.13588		
447364.97	3764456.41	0.13955	447406.61
3764460.65	0.14049		
447441.47	3764460.04	0.14129	447466.88
3764460.20	0.14217		
447490.00	3764460.56	0.14343	447515.50
3764460.40	0.14526		
447573.06	3764454.29	0.15073	447598.49
3764445.22	0.15259		
447652.90	3764439.70	0.15308	447692.92
3764439.51	0.15476		
447713.82	3764439.11	0.15530	447731.95
3764438.72	0.15542		
447751.07	3764438.72	0.15555	447768.82
3764437.53	0.15544		
447789.12	3764437.73	0.15480	447805.68
3764437.34	0.15450		
447824.02	3764437.20	0.15418	447841.61
3764437.87	0.15403		
447861.72	3764437.53	0.15417	447881.66
3764435.18	0.15470		
447902.78	3764436.19	0.15490	447920.87
3764435.35	0.15542		
447942.16	3764435.35	0.15610	447962.77
3764434.85	0.15698		
447980.70	3764435.18	0.15778	448004.66
3764435.18	0.15958		
448021.25	3764434.68	0.16233	447662.70
3764379.63	0.15857		
447681.30	3764320.98	0.16658	447682.64
3764285.79	0.17348		
447662.53	3764238.37	0.18148	447661.70
3764207.37	0.18817		
447683.14	3764162.29	0.20015	447680.97
3764145.87	0.20405		
447679.63	3764130.28	0.20809	447680.80
3764112.02	0.21298		
447681.47	3764096.43	0.21662	447680.80
3764078.84	0.22023		
447679.96	3764064.26	0.22273	447680.97
3764045.82	0.22595		
447680.63	3764029.74	0.22862	447657.17
3763992.03	0.23496		
447656.33	3763967.06	0.23932	447657.17
3763928.69	0.24726		
447657.17	3763902.21	0.25294	447657.51
3763869.03	0.26220		
447656.16	3763834.94	0.27028	447655.93
3763808.27	0.27639		
447657.09	3763786.00	0.28185	447701.21
3763782.14	0.28645		
447856.92	3763749.71	0.32685	447854.99
3763730.13	0.33474		
447854.35	3763698.35	0.34860	447855.31
3763676.84	0.35876		

3762721.27	0.36147		
446799.97	3762735.74	0.35953	446797.79
3762748.02	0.35721		
446802.16	3762913.47	0.33772	446802.16
3762932.58	0.33537		
446802.43	3762949.24	0.33341	446802.98
3762967.26	0.33138		
446802.70	3762986.09	0.32899	446802.16
3763003.29	0.32671		
446802.16	3763021.86	0.32441	446802.70
3763040.70	0.32222		
446802.98	3763059.26	0.31997	446803.52
3763077.01	0.31787		
446756.29	3763085.26	0.30434	446807.68
3763646.39	0.20645		
446808.32	3763674.66	0.20302	446807.68
3763694.57	0.20026		
446808.32	3763710.63	0.19846	446808.32
3763726.37	0.19662		
446808.00	3763742.11	0.19494	446808.32
3763756.89	0.19339		
446808.64	3763798.32	0.18784	446810.25
3764484.08	0.11710		
446781.34	3764475.08	0.11626	446722.56
3764455.81	0.11477		
446170.32	3764559.79	0.09183	446872.29
3763190.26	0.30114		
446925.22	3763179.19	0.31514	446984.86
3763194.88	0.33078		
447010.56	3763193.28	0.33538	447036.58
3763193.60	0.34281		
447053.61	3763193.28	0.34754	447076.42
3763192.31	0.35351		
447093.45	3763192.63	0.35706	447122.05
3763192.63	0.36841		
447138.75	3763192.31	0.37491	447167.99
3763192.31	0.38607		
447170.68	3763172.18	0.39492	447170.41
3763158.25	0.40077		
447169.31	3763144.87	0.40417	447147.46
3763107.45	0.40257		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 210

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8SPILL ***
INCLUDING SOURCE(S): 8SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447146.64	3763084.24	0.40997	447146.92	
3763064.30	0.41856			
447149.92	3763038.90	0.43268	447148.56	
3763019.78	0.44076			

447148.56	3762997.39	0.45306	447206.08
3762958.49	0.50023		
447209.33	3762922.51	0.51289	447208.40
3762890.70	0.52160		
447145.83	3762888.87	0.48557	447122.55
3762889.07	0.47290		
447094.33	3762890.05	0.45804	447071.04
3762890.45	0.44640		
447043.61	3762889.66	0.43352	447017.76
3762888.87	0.42190		
446992.11	3762889.07	0.41067	446964.28
3762888.28	0.39918		
446940.41	3762888.47	0.38961	446911.20
3762888.08	0.37848		
446885.35	3762889.66	0.36875	446862.07
3762888.87	0.36063		
446871.45	3762779.57	0.37951	446926.31
3762768.72	0.40298		
446983.74	3762774.24	0.42718	447009.00
3762774.05	0.43907		
447030.51	3762774.44	0.44956	447055.37
3762774.05	0.46233		
447076.88	3762774.24	0.47371	447101.16
3762774.44	0.48705		
447123.85	3762774.05	0.50027	447148.12
3762775.03	0.51468		
447170.23	3762774.84	0.52867	447196.78
3762775.48	0.54611		
447242.12	3762776.57	0.57804	447262.33
3762776.03	0.59357		
447294.56	3762776.30	0.61936	447313.13
3762775.48	0.63535		
447313.40	3762749.53	0.64498	447327.86
3762713.09	0.67190		
447327.36	3762679.87	0.68434	447327.74
3762657.02	0.69360		
447327.28	3762636.82	0.70102	447327.51
3762612.90	0.71061		
447327.28	3762592.24	0.71831	447327.04
3762569.71	0.72658		
447327.28	3762547.89	0.73491	447326.58
3762524.67	0.74243		
447326.58	3762506.09	0.74878	447327.51
3762477.53	0.75908		
447325.88	3762454.31	0.76406	447225.58
3762432.95	0.66143		
447200.27	3762430.63	0.63834	447156.85
3762430.16	0.60102		
447131.77	3762430.86	0.58091	447102.74
3762430.63	0.55908		
447079.06	3762430.86	0.54216	447034.94
3762433.65	0.51254		
446995.47	3762433.65	0.48850	446972.71
3762434.34	0.47539		
446941.37	3762434.58	0.45836	446916.06
3762436.90	0.44509		
446876.35	3762436.90	0.42579	446848.85
3762647.05	0.38949		
446848.85	3762563.17	0.40021	446849.17
3762509.82	0.40639		
446849.17	3762455.82	0.41168	446848.85
3762702.00	0.38191		
446849.49	3762754.71	0.37480	446739.81
3762428.53	0.36931		
446711.81	3762423.61	0.35943	446687.25
3762416.25	0.35129		

446662.20	3762412.32	0.34309	446636.17
3762403.97	0.33511		
449981.72	3762732.45	1.23439	446486.82
3762231.95	0.29828		
446261.97	3762068.01	0.24928	446443.15
3762291.63	0.28556		
446071.80	3762055.49	0.21596	446072.08
3761983.13	0.21607		
446138.18	3762002.17	0.22687	445884.94
3762039.75	0.18978		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 211

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000119 , L0000120 ,
L0000121 , L0000122 , L0000123 ,
L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
L0000129 , L0000130 , L0000131 ,
L0000132 , L0000133 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 ,
L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
447362.21	3764292.67	10.12272	447375.98	
3764150.98	11.99264			
447389.75	3764043.04	14.42124	447450.16	
3764031.05	15.15602			
447410.18	3764019.05	15.19650	446891.90	
3764451.22	7.38371			
446959.28	3764451.22	7.55939	446995.28	
3764468.13	7.51913			
447007.41	3764467.30	7.54108	447023.51	
3764466.09	7.58714			
447036.59	3764466.21	7.61916	447052.68	
3764465.61	7.65459			
447066.60	3764465.73	7.67893	447099.65	
3764456.17	7.81875			
447145.28	3764468.27	7.86280	447175.54	
3764468.03	7.99786			
447205.32	3764468.27	8.11922	447232.43	
3764467.55	8.12247			
447264.02	3764467.30	8.06013	447294.77	
3764466.94	8.08458			
447364.97	3764456.41	8.42149	447406.61	
3764460.65	8.53130			
447441.47	3764460.04	8.62327	447466.88	
3764460.20	8.70185			
447490.00	3764460.56	8.79342	447515.50	
3764460.40	8.91572			
447573.06	3764454.29	9.25284	447598.49	
3764445.22	9.38114			

447652.90	3764439.70	9.42456	447692.92
3764439.51	9.56313		
447713.82	3764439.11	9.63505	447731.95
3764438.72	9.68844		
447751.07	3764438.72	9.75600	447768.82
3764437.53	9.81516		
447789.12	3764437.73	9.86261	447805.68
3764437.34	9.92221		
447824.02	3764437.20	9.99194	447841.61
3764437.87	10.07028		
447861.72	3764437.53	10.18112	447881.66
3764435.18	10.31600		
447902.78	3764436.19	10.42801	447920.87
3764435.35	10.54570		
447942.16	3764435.35	10.68437	447962.77
3764434.85	10.83301		
447980.70	3764435.18	10.96419	448004.66
3764435.18	11.18397		
448021.25	3764434.68	11.42258	447662.70
3764379.63	9.89409		
447681.30	3764320.98	10.54312	447682.64
3764285.79	11.08077		
447662.53	3764238.37	11.74705	447661.70
3764207.37	12.29190		
447683.14	3764162.29	13.24792	447680.97
3764145.87	13.57982		
447679.63	3764130.28	13.99823	447680.80
3764112.02	14.48960		
447681.47	3764096.43	14.84052	447680.80
3764078.84	15.23533		
447679.96	3764064.26	15.51323	447680.97
3764045.82	15.86753		
447680.63	3764029.74	16.16999	447657.17
3763992.03	17.04122		
447656.33	3763967.06	17.59897	447657.17
3763928.69	18.62752		
447657.17	3763902.21	19.42435	447657.51
3763869.03	20.76490		
447656.16	3763834.94	22.12377	447655.93
3763808.27	23.28214		
447657.09	3763786.00	24.39378	447701.21
3763782.14	24.73875		
447856.92	3763749.71	28.14360	447854.99
3763730.13	29.49977		
447854.35	3763698.35	31.91375	447855.31
3763676.84	33.70296		
447675.51	3763287.46	117.24626	448481.33
3763485.29	72.46994		
448479.95	3763195.53	87.32451	448478.56
3762907.16	132.25761		
448497.89	3762714.10	171.07732	448507.91
3762487.71	472.00594		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 212

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	L0000119	,	L0000120	,
		L0000121	,	L0000122	,
				L0000123	,
L0000124	,	L0000125	,	L0000126	,
L0000129	,	L0000130	,	L0000131	,

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L0000132 , L0000133 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 ,
L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)
448480.49	3762357.96	651.11672	448462.73	
3762339.82	663.24059			
448464.47	3762265.93	443.40345	448461.57	
3762165.17	499.71520			
448472.57	3762064.71	167.62403	448460.48	
3762016.72	132.44298			
448234.63	3761951.18	113.45788	448081.42	
3761952.78	92.69827			
448025.53	3761955.99	86.79893	447506.75	
3761967.63	74.84186			
447269.29	3761967.74	66.36180	447389.46	
3761908.79	62.88681			
447019.14	3761964.34	56.38708	447060.33	
3761963.58	57.36647			
446975.31	3761963.20	55.20852	446940.92	
3761953.76	53.32655			
446865.72	3761974.54	54.16667	446795.06	
3761957.91	50.06015			
446757.65	3761965.85	49.79049	446709.33	
3761967.74	48.17105			
446796.42	3762028.62	60.77195	446796.97	
3762045.28	64.22773			
446796.70	3762089.51	76.37049	446796.15	
3762105.89	82.17758			
446796.70	3762137.29	96.65442	446796.15	
3762153.39	106.18119			
446772.40	3762215.37	148.07143	446795.06	
3762321.03	338.03974			
446796.42	3762450.98	147.14615	446796.42	
3762471.18	123.65040			
446797.24	3762496.03	103.83223	446798.06	
3762516.51	92.01335			
446797.79	3762539.98	81.54312	446797.52	
3762560.19	74.58463			
446798.61	3762584.76	68.10421	446798.06	
3762604.42	63.73353			
446799.70	3762654.11	55.66269	446799.97	
3762674.58	51.08128			
446800.25	3762700.25	48.03855	446800.25	
3762721.27	46.24693			
446799.97	3762735.74	45.18105	446797.79	
3762748.02	44.21091			
446802.16	3762913.47	36.95262	446802.16	
3762932.58	36.29676			
446802.43	3762949.24	35.76294	446802.98	
3762967.26	35.22021			
446802.70	3762986.09	34.57697	446802.16	
3763003.29	33.95986			
446802.16	3763021.86	33.31826	446802.70	
3763040.70	32.70082			
446802.98	3763059.26	31.89067	446803.52	
3763077.01	31.38039			

446756.29	3763085.26	29.57417	446807.68
3763646.39	16.87879		
446808.32	3763674.66	16.37803	446807.68
3763694.57	16.00349		
446808.32	3763710.63	15.73862	446808.32
3763726.37	15.46694		
446808.00	3763742.11	15.21349	446808.32
3763756.89	14.98679		
446808.64	3763798.32	14.28256	446810.25
3764484.08	6.97724		
446781.34	3764475.08	6.95006	446722.56
3764455.81	6.91262		
446170.32	3764559.79	5.18888	446872.29
3763190.26	30.63315		
446925.22	3763179.19	34.06647	446984.86
3763194.88	38.39329		
447010.56	3763193.28	40.78804	447036.58
3763193.60	43.70275		
447053.61	3763193.28	45.85849	447076.42
3763192.31	49.14120		
447093.45	3763192.63	51.84755	447122.05
3763192.63	57.54248		
447138.75	3763192.31	61.43325	447167.99
3763192.31	69.54308		
447170.68	3763172.18	70.82255	447170.41
3763158.25	71.07761		
447169.31	3763144.87	71.02553	447147.46
3763107.45	65.79661		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 213

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000119 , L0000120 ,
L0000121 , L0000122 , L0000123 ,
L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
L0000129 , L0000130 , L0000131 ,
L0000132 , L0000133 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 ,
L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
447146.64	3763084.24	66.23712	447146.92	
3763064.30	66.95420			
447149.92	3763038.90	68.74123	447148.56	
3763019.78	68.92028			
447148.56	3762997.39	69.57425	447206.08	
3762958.49	87.83803			
447209.33	3762922.51	88.27251	447208.40	
3762890.70	86.80368			
447145.83	3762888.87	72.22119	447122.55	
3762889.07	68.00752			

447094.33	3762890.05	63.49633	447071.04
3762890.45	60.20874		
447043.61	3762889.66	56.79956	447017.76
3762888.87	53.92762		
446992.11	3762889.07	51.30481	446964.28
3762888.28	48.78001		
446940.41	3762888.47	46.80777	446911.20
3762888.08	44.72930		
446885.35	3762889.66	42.81802	446862.07
3762888.87	41.30302		
446871.45	3762779.57	47.26221	446926.31
3762768.72	52.11414		
446983.74	3762774.24	56.78830	447009.00
3762774.05	59.33330		
447030.51	3762774.44	61.82291	447055.37
3762774.05	64.77982		
447076.88	3762774.24	67.31192	447101.16
3762774.44	70.29606		
447123.85	3762774.05	73.52593	447148.12
3762775.03	77.09067		
447170.23	3762774.84	80.77561	447196.78
3762775.48	85.72740		
447242.12	3762776.57	95.55572	447262.33
3762776.03	100.79438		
447294.56	3762776.30	110.39530	447313.13
3762775.48	117.03745		
447313.40	3762749.53	121.79213	447327.86
3762713.09	139.35161		
447327.36	3762679.87	150.78224	447327.74
3762657.02	158.28840		
447327.28	3762636.82	164.24170	447327.51
3762612.90	171.31507		
447327.28	3762592.24	176.50903	447327.04
3762569.71	181.56553		
447327.28	3762547.89	186.26935	447326.58
3762524.67	189.89722		
447326.58	3762506.09	192.93454	447327.51
3762477.53	198.15851		
447325.88	3762454.31	202.17925	447225.58
3762432.95	184.95871		
447200.27	3762430.63	187.64942	447156.85
3762430.16	195.72143		
447131.77	3762430.86	203.05122	447102.74
3762430.63	216.14633		
447079.06	3762430.86	228.83834	447034.94
3762433.65	249.82636		
446995.47	3762433.65	268.85122	446972.71
3762434.34	271.07088		
446941.37	3762434.58	270.20910	446916.06
3762436.90	259.73810		
446876.35	3762436.90	249.09160	446848.85
3762647.05	61.17547		
446848.85	3762563.17	81.43789	446849.17
3762509.82	109.38720		
446849.17	3762455.82	177.56582	446848.85
3762702.00	51.52011		
446849.49	3762754.71	47.24300	446739.81
3762428.53	126.66094		
446711.81	3762423.61	110.27335	446687.25
3762416.25	100.25077		
446662.20	3762412.32	89.03535	446636.17
3762403.97	81.19597		
449981.72	3762732.45	30.82679	446486.82
3762231.95	73.89118		
446261.97	3762068.01	56.44633	446443.15
3762291.63	55.51036		

446071.80 3762055.49 48.62161 446072.08
 3761983.13 45.08278
 446138.18 3762002.17 48.22369 445884.94
 3762039.75 44.35881

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 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 214

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 10BBREAT ***
 INCLUDING SOURCE(S): 10BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	14.35784	(14083005)	447375.98	
3764150.98	15.12750	(13090423)			
447389.75	3764043.04	15.05125	(13090423)	447450.16	
3764031.05	15.52158	(13090423)			
447410.18	3764019.05	15.29617	(13090423)	446891.90	
3764451.22	12.03117	(14081603)			
446959.28	3764451.22	12.29109	(14091701)	446995.28	
3764468.13	12.36404	(14091701)			
447007.41	3764467.30	12.36839	(12051703)	447023.51	
3764466.09	12.43917	(12051703)			
447036.59	3764466.21	12.45075	(12051703)	447052.68	
3764465.61	12.55497	(14081405)			
447066.60	3764465.73	12.66515	(14081405)	447099.65	
3764456.17	12.78653	(14081405)			
447145.28	3764468.27	12.86860	(13070222)	447175.54	
3764468.03	12.62422	(15092601)			
447205.32	3764468.27	12.83365	(15092601)	447232.43	
3764467.55	13.16056	(15092601)			
447264.02	3764467.30	13.71881	(12083105)	447294.77	
3764466.94	13.94770	(12083105)			
447364.97	3764456.41	14.06786	(15080324)	447406.61	
3764460.65	13.95951	(15080324)			
447441.47	3764460.04	14.12985	(12080901)	447466.88	
3764460.20	14.28016	(12080901)			
447490.00	3764460.56	14.18967	(12080901)	447515.50	
3764460.40	14.12933	(12091304)			
447573.06	3764454.29	14.05226	(16072603)	447598.49	
3764445.22	14.26547	(14022020)			
447652.90	3764439.70	14.95412	(12081001)	447692.92	
3764439.51	14.95842	(12081604)			
447713.82	3764439.11	14.96950	(12081604)	447731.95	
3764438.72	15.13032	(13091705)			
447751.07	3764438.72	15.17106	(13091705)	447768.82	
3764437.53	15.40985	(16062701)			
447789.12	3764437.73	15.56254	(16062701)	447805.68	
3764437.34	15.53627	(16062701)			
447824.02	3764437.20	15.50187	(12071001)	447841.61	
3764437.87	15.51814	(15080504)			
447861.72	3764437.53	15.65591	(15080504)	447881.66	
3764435.18	15.69130	(12092102)			
447902.78	3764436.19	15.85042	(12092102)	447920.87	

3764435.35	15.85158	(12092102)		
447942.16	3764435.35	15.70421	(14081503)	447962.77
3764434.85	15.70250	(14081503)		
447980.70	3764435.18	15.63950	(13090305)	448004.66
3764435.18	15.88940	(12081106)		
448021.25	3764434.68	15.78361	(12081106)	447662.70
3764379.63	15.62417	(12081001)		
447681.30	3764320.98	16.12718	(12081001)	447682.64
3764285.79	16.06071	(12081001)		
447662.53	3764238.37	15.90221	(14022020)	447661.70
3764207.37	15.83042	(16072603)		
447683.14	3764162.29	15.78900	(16072603)	447680.97
3764145.87	15.80775	(16072603)		
447679.63	3764130.28	15.78272	(16072603)	447680.80
3764112.02	15.76113	(16072603)		
447681.47	3764096.43	15.80528	(16072603)	447680.80
3764078.84	15.89292	(16072603)		
447679.96	3764064.26	16.01335	(16072603)	447680.97
3764045.82	16.19403	(16072603)		
447680.63	3764029.74	16.34110	(16072603)	447657.17
3763992.03	16.71272	(12080704)		
447656.33	3763967.06	17.08337	(12080704)	447657.17
3763928.69	17.52123	(12080704)		
447657.17	3763902.21	17.77593	(12080704)	447657.51
3763869.03	17.84882	(12080704)		
447656.16	3763834.94	18.39608	(12072004)	447655.93
3763808.27	18.89440	(15092502)		
447657.09	3763786.00	19.27902	(15092502)	447701.21
3763782.14	19.62756	(12080704)		
447856.92	3763749.71	20.10658	(12081001)	447854.99
3763730.13	20.20036	(12081001)		
447854.35	3763698.35	20.32467	(12081001)	447855.31
3763676.84	20.47587	(15062904)		
447675.51	3763287.46	22.75378	(15061924)	448481.33
3763485.29	26.64350	(12080824)		
448479.95	3763195.53	31.30049	(12090506)	448478.56
3762907.16	41.79749	(12091005)		
448497.89	3762714.10	55.17165	(12082923)	448507.91
3762487.71	62.29654	(12071302)		

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 215

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 10BBREAT ***
 INCLUDING SOURCE(S): 10BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	147.46284	(14041207)	448462.73	
3762339.82	175.97143	(14041207)			
448464.47	3762265.93	292.27775	(16082707)	448461.57	
3762165.17	563.74993	(14120316)			
448472.57	3762064.71	204.27786	(12080622)	448460.48	
3762016.72	311.10934	(12121716)			

448234.63	3761951.18	116.78759	(13020917)	448081.42
3761952.78	67.60252	(12100204)		
448025.53	3761955.99	57.88081	(15100921)	447506.75
3761967.63	17.83384	(14051523)		
447269.29	3761967.74	12.63281	(14120121)	447389.46
3761908.79	14.57598	(13121117)		
447019.14	3761964.34	9.57157	(14011518)	447060.33
3761963.58	9.94433	(14011518)		
446975.31	3761963.20	9.18034	(14011518)	446940.92
3761953.76	8.83615	(14011518)		
446865.72	3761974.54	8.34746	(14011518)	446795.06
3761957.91	7.80201	(14011518)		
446757.65	3761965.85	7.56777	(14011518)	446709.33
3761967.74	7.26000	(14011518)		
446796.42	3762028.62	7.88808	(16021518)	446796.97
3762045.28	7.88222	(16021518)		
446796.70	3762089.51	7.78105	(15031521)	446796.15
3762105.89	7.75012	(15031521)		
446796.70	3762137.29	7.60902	(15031521)	446796.15
3762153.39	7.54160	(16041722)		
446772.40	3762215.37	7.44985	(14100421)	446795.06
3762321.03	7.80633	(15090905)		
446796.42	3762450.98	7.61591	(15032622)	446796.42
3762471.18	7.55958	(15040323)		
446797.24	3762496.03	7.47850	(15040323)	446798.06
3762516.51	7.36096	(15040323)		
446797.79	3762539.98	7.39802	(12101719)	446797.52
3762560.19	7.42478	(12101719)		
446798.61	3762584.76	7.40590	(12101719)	446798.06
3762604.42	7.33453	(12101719)		
446799.70	3762654.11	12.16897	(14100706)	446799.97
3762674.58	12.55747	(14100706)		
446800.25	3762700.25	13.04475	(16092622)	446800.25
3762721.27	13.17208	(16092622)		
446799.97	3762735.74	13.10713	(16092622)	446797.79
3762748.02	12.99368	(16092622)		
446802.16	3762913.47	11.89224	(15082801)	446802.16
3762932.58	11.91796	(15082801)		
446802.43	3762949.24	11.88172	(15082801)	446802.98
3762967.26	11.78610	(13051323)		
446802.70	3762986.09	11.83782	(16092723)	446802.16
3763003.29	12.03158	(16092723)		
446802.16	3763021.86	12.18648	(16092723)	446802.70
3763040.70	12.28956	(16092723)		
446802.98	3763059.26	12.30374	(16092723)	446803.52
3763077.01	12.20298	(16111421)		
446756.29	3763085.26	11.28858	(16092723)	446807.68
3763646.39	13.28002	(16072901)		
446808.32	3763674.66	13.14670	(16072901)	446807.68
3763694.57	13.01220	(16072901)		
446808.32	3763710.63	12.89079	(16091102)	446808.32
3763726.37	12.84684	(15092802)		
446808.00	3763742.11	12.80391	(15092802)	446808.32
3763756.89	12.74406	(15092802)		
446808.64	3763798.32	12.69679	(16092001)	446810.25
3764484.08	11.68585	(14081603)		
446781.34	3764475.08	11.57175	(15082503)	446722.56
3764455.81	11.38921	(12081302)		
446170.32	3764559.79	9.70850	(15090724)	446872.29
3763190.26	14.10788	(16072703)		
446925.22	3763179.19	14.86037	(16072103)	446984.86
3763194.88	14.99301	(16072103)		
447010.56	3763193.28	15.42391	(13013121)	447036.58
3763193.60	15.62460	(14051122)		
447053.61	3763193.28	15.84711	(15091101)	447076.42
3763192.31	16.40437	(15091101)		

447093.45	3763192.63	16.83937	(15091101)	447122.05
3763192.63	17.25220	(14091702)		
447138.75	3763192.31	17.49739	(14091702)	447167.99
3763192.31	17.82132	(14091702)		
447170.68	3763172.18	17.85231	(14091702)	447170.41
3763158.25	17.74985	(14091702)		
447169.31	3763144.87	17.70569	(14091702)	447147.46
3763107.45	17.43948	(14051122)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 216

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 10BBREAT ***
INCLUDING SOURCE(S): 10BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	17.64210	(13013121)	447146.92	
3763064.30	17.79391	(16072103)			
447149.92	3763038.90	17.83718	(16072103)	447148.56	
3763019.78	17.75365	(16072103)			
447148.56	3762997.39	17.40781	(16072103)	447206.08	
3762958.49	17.75742	(16072103)			
447209.33	3762922.51	17.63943	(15091006)	447208.40	
3762890.70	17.80345	(15091006)			
447145.83	3762888.87	16.74039	(14091421)	447122.55	
3762889.07	16.32693	(16111421)			
447094.33	3762890.05	16.14342	(16092723)	447071.04	
3762890.45	15.95532	(16092723)			
447043.61	3762889.66	15.65247	(16092723)	447017.76	
3762888.87	15.30025	(16092723)			
446992.11	3762889.07	14.90959	(16092723)	446964.28	
3762888.28	14.52394	(13051323)			
446940.41	3762888.47	14.14495	(15082801)	446911.20	
3762888.08	13.56568	(15082801)			
446885.35	3762889.66	13.25308	(15082801)	446862.07	
3762888.87	12.92534	(15082801)			
446871.45	3762779.57	13.60859	(15081502)	446926.31	
3762768.72	14.31615	(15081502)			
446983.74	3762774.24	15.04994	(14091321)	447009.00	
3762774.05	15.25012	(14091321)			
447030.51	3762774.44	15.02989	(14091321)	447055.37	
3762774.05	15.09290	(15050124)			
447076.88	3762774.24	15.39409	(15050124)	447101.16	
3762774.44	16.09796	(15082801)			
447123.85	3762774.05	16.51241	(15082801)	447148.12	
3762775.03	17.12253	(15082801)			
447170.23	3762774.84	17.58382	(15082801)	447196.78	
3762775.48	17.97132	(16092723)			
447242.12	3762776.57	18.90754	(16092723)	447262.33	
3762776.03	19.18895	(16092723)			
447294.56	3762776.30	19.42121	(16092723)	447313.13	
3762775.48	19.68164	(16111421)			
447313.40	3762749.53	20.35050	(16092723)	447327.86	

3762713.09	20.60684	(16092723)		
447327.36	3762679.87	19.72326	(13051203)	447327.74
3762657.02	19.38563	(13051203)		
447327.28	3762636.82	12.07457	(15120517)	447327.51
3762612.90	12.27435	(15120517)		
447327.28	3762592.24	12.32087	(15120517)	447327.04
3762569.71	12.35726	(16112103)		
447327.28	3762547.89	12.51013	(16112103)	447326.58
3762524.67	12.75887	(12020622)		
447326.58	3762506.09	12.86373	(12020622)	447327.51
3762477.53	12.89888	(12101719)		
447325.88	3762454.31	13.21187	(12101719)	447225.58
3762432.95	11.67543	(12101719)		
447200.27	3762430.63	11.26415	(12101719)	447156.85
3762430.16	10.75452	(15040323)		
447131.77	3762430.86	10.48926	(15040323)	447102.74
3762430.63	10.19894	(15040323)		
447079.06	3762430.86	9.96402	(15040323)	447034.94
3762433.65	9.52890	(15040323)		
446995.47	3762433.65	9.16937	(15040323)	446972.71
3762434.34	8.96633	(15040323)		
446941.37	3762434.58	8.70106	(15032622)	446916.06
3762436.90	8.49639	(15032622)		
446876.35	3762436.90	8.20332	(15032622)	446848.85
3762647.05	12.55955	(14100706)		
446848.85	3762563.17	7.77461	(12101719)	446849.17
3762509.82	7.69414	(12101719)		
446849.17	3762455.82	7.94664	(15040323)	446848.85
3762702.00	13.68216	(16092622)		
446849.49	3762754.71	13.35257	(16092622)	446739.81
3762428.53	7.27138	(15032622)		
446711.81	3762423.61	7.08391	(15032622)	446687.25
3762416.25	6.91038	(15032622)		
446662.20	3762412.32	6.74099	(15032622)	446636.17
3762403.97	6.54771	(15032622)		
449981.72	3762732.45	6.75962	(16082822)	446486.82
3762231.95	5.89932	(14100421)		
446261.97	3762068.01	5.12739	(15031521)	446443.15
3762291.63	5.84907	(15090905)		
446071.80	3762055.49	4.53183	(15031521)	446072.08
3761983.13	4.59204	(16021518)		
446138.18	3762002.17	4.77746	(16021518)	445884.94
3762039.75	4.05365	(15031521)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 217

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 10BLOAD *** INCLUDING SOURCE(S): 10BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	14.35775	(14083005)	447375.98	
3764150.98	15.12742	(13090423)			

447389.75	3764043.04	15.05118	(13090423)	447450.16
3764031.05	15.52150	(13090423)		
447410.18	3764019.05	15.29610	(13090423)	446891.90
3764451.22	12.03110	(14081603)		
446959.28	3764451.22	12.29102	(14091701)	446995.28
3764468.13	12.36396	(14091701)		
447007.41	3764467.30	12.36821	(12051703)	447023.51
3764466.09	12.43898	(12051703)		
447036.59	3764466.21	12.45056	(12051703)	447052.68
3764465.61	12.55483	(14081405)		
447066.60	3764465.73	12.66501	(14081405)	447099.65
3764456.17	12.78639	(14081405)		
447145.28	3764468.27	12.86852	(13070222)	447175.54
3764468.03	12.62414	(15092601)		
447205.32	3764468.27	12.83357	(15092601)	447232.43
3764467.55	13.16048	(15092601)		
447264.02	3764467.30	13.71871	(12083105)	447294.77
3764466.94	13.94760	(12083105)		
447364.97	3764456.41	14.06777	(15080324)	447406.61
3764460.65	13.95942	(15080324)		
447441.47	3764460.04	14.12976	(12080901)	447466.88
3764460.20	14.28007	(12080901)		
447490.00	3764460.56	14.18958	(12080901)	447515.50
3764460.40	14.12923	(12091304)		
447573.06	3764454.29	14.05217	(16072603)	447598.49
3764445.22	14.26538	(14022020)		
447652.90	3764439.70	14.95403	(12081001)	447692.92
3764439.51	14.95832	(12081604)		
447713.82	3764439.11	14.96941	(12081604)	447731.95
3764438.72	15.13009	(13091705)		
447751.07	3764438.72	15.17083	(13091705)	447768.82
3764437.53	15.40974	(16062701)		
447789.12	3764437.73	15.56243	(16062701)	447805.68
3764437.34	15.53617	(16062701)		
447824.02	3764437.20	15.50176	(12071001)	447841.61
3764437.87	15.51803	(15080504)		
447861.72	3764437.53	15.65580	(15080504)	447881.66
3764435.18	15.69119	(12092102)		
447902.78	3764436.19	15.85031	(12092102)	447920.87
3764435.35	15.85147	(12092102)		
447942.16	3764435.35	15.70410	(14081503)	447962.77
3764434.85	15.70239	(14081503)		
447980.70	3764435.18	15.63939	(13090305)	448004.66
3764435.18	15.88928	(12081106)		
448021.25	3764434.68	15.78350	(12081106)	447662.70
3764379.63	15.62407	(12081001)		
447681.30	3764320.98	16.12707	(12081001)	447682.64
3764285.79	16.06061	(12081001)		
447662.53	3764238.37	15.90211	(14022020)	447661.70
3764207.37	15.83033	(16072603)		
447683.14	3764162.29	15.78892	(16072603)	447680.97
3764145.87	15.80767	(16072603)		
447679.63	3764130.28	15.78264	(16072603)	447680.80
3764112.02	15.76105	(16072603)		
447681.47	3764096.43	15.80520	(16072603)	447680.80
3764078.84	15.89284	(16072603)		
447679.96	3764064.26	16.01328	(16072603)	447680.97
3764045.82	16.19395	(16072603)		
447680.63	3764029.74	16.34102	(16072603)	447657.17
3763992.03	16.71264	(12080704)		
447656.33	3763967.06	17.08329	(12080704)	447657.17
3763928.69	17.52114	(12080704)		
447657.17	3763902.21	17.77585	(12080704)	447657.51
3763869.03	17.84874	(12080704)		
447656.16	3763834.94	18.39600	(12072004)	447655.93
3763808.27	18.89431	(15092502)		

447657.09	3763786.00	19.27893	(15092502)	447701.21
3763782.14	19.62747	(12080704)		
447856.92	3763749.71	20.10650	(12081001)	447854.99
3763730.13	20.20028	(12081001)		
447854.35	3763698.35	20.32459	(12081001)	447855.31
3763676.84	20.47580	(15062904)		
447675.51	3763287.46	22.75374	(15061924)	448481.33
3763485.29	26.64339	(12080824)		
448479.95	3763195.53	31.30043	(12090506)	448478.56
3762907.16	41.79750	(12091005)		
448497.89	3762714.10	55.17165	(12082923)	448507.91
3762487.71	62.29623	(12071302)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 218

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 10BLOAD ***
 INCLUDING SOURCE(S): 10BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	147.37932	(14041207)	448462.73	
3762339.82	175.85653	(14041207)			
448464.47	3762265.93	292.54160	(16082707)	448461.57	
3762165.17	563.62000	(14120316)			
448472.57	3762064.71	204.27673	(12080622)	448460.48	
3762016.72	310.56416	(12121716)			
448234.63	3761951.18	116.77322	(13020917)	448081.42	
3761952.78	67.60220	(12100204)			
448025.53	3761955.99	57.88053	(15100921)	447506.75	
3761967.63	17.83374	(14051523)			
447269.29	3761967.74	12.63263	(14120121)	447389.46	
3761908.79	14.57585	(13121117)			
447019.14	3761964.34	9.57153	(14011518)	447060.33	
3761963.58	9.94428	(14011518)			
446975.31	3761963.20	9.18029	(14011518)	446940.92	
3761953.76	8.83610	(14011518)			
446865.72	3761974.54	8.34741	(14011518)	446795.06	
3761957.91	7.80197	(14011518)			
446757.65	3761965.85	7.56773	(14011518)	446709.33	
3761967.74	7.25996	(14011518)			
446796.42	3762028.62	7.88804	(16021518)	446796.97	
3762045.28	7.88218	(16021518)			
446796.70	3762089.51	7.78102	(15031521)	446796.15	
3762105.89	7.75009	(15031521)			
446796.70	3762137.29	7.60898	(15031521)	446796.15	
3762153.39	7.54156	(16041722)			
446772.40	3762215.37	7.44981	(14100421)	446795.06	
3762321.03	7.80629	(15090905)			
446796.42	3762450.98	7.61587	(15032622)	446796.42	
3762471.18	7.55951	(15040323)			
446797.24	3762496.03	7.47844	(15040323)	446798.06	
3762516.51	7.36090	(15040323)			
446797.79	3762539.98	7.39799	(12101719)	446797.52	

3762560.19	7.42475	(12101719)		
446798.61	3762584.76	7.40587	(12101719)	446798.06
3762604.42	7.33450	(12101719)		
446799.70	3762654.11	12.16900	(14100706)	446799.97
3762674.58	12.55749	(14100706)		
446800.25	3762700.25	13.04476	(16092622)	446800.25
3762721.27	13.17208	(16092622)		
446799.97	3762735.74	13.10713	(16092622)	446797.79
3762748.02	12.99369	(16092622)		
446802.16	3762913.47	11.89228	(15082801)	446802.16
3762932.58	11.91800	(15082801)		
446802.43	3762949.24	11.88176	(15082801)	446802.98
3762967.26	11.78613	(13051323)		
446802.70	3762986.09	11.83785	(16092723)	446802.16
3763003.29	12.03161	(16092723)		
446802.16	3763021.86	12.18650	(16092723)	446802.70
3763040.70	12.28958	(16092723)		
446802.98	3763059.26	12.30376	(16092723)	446803.52
3763077.01	12.20298	(16111421)		
446756.29	3763085.26	11.28860	(16092723)	446807.68
3763646.39	13.27998	(16072901)		
446808.32	3763674.66	13.14666	(16072901)	446807.68
3763694.57	13.01216	(16072901)		
446808.32	3763710.63	12.89072	(16091102)	446808.32
3763726.37	12.84679	(15092802)		
446808.00	3763742.11	12.80387	(15092802)	446808.32
3763756.89	12.74401	(15092802)		
446808.64	3763798.32	12.69675	(16092001)	446810.25
3764484.08	11.68578	(14081603)		
446781.34	3764475.08	11.57167	(15082503)	446722.56
3764455.81	11.38914	(12081302)		
446170.32	3764559.79	9.70844	(15090724)	446872.29
3763190.26	14.10787	(16072703)		
446925.22	3763179.19	14.86034	(16072103)	446984.86
3763194.88	14.99298	(16072103)		
447010.56	3763193.28	15.42386	(13013121)	447036.58
3763193.60	15.62456	(14051122)		
447053.61	3763193.28	15.84710	(15091101)	447076.42
3763192.31	16.40436	(15091101)		
447093.45	3763192.63	16.83934	(15091101)	447122.05
3763192.63	17.25217	(14091702)		
447138.75	3763192.31	17.49736	(14091702)	447167.99
3763192.31	17.82129	(14091702)		
447170.68	3763172.18	17.85228	(14091702)	447170.41
3763158.25	17.74983	(14091702)		
447169.31	3763144.87	17.70567	(14091702)	447147.46
3763107.45	17.43945	(14051122)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 219

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 10BLOAD ***
INCLUDING SOURCE(S): 10BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M)
(M) CONC (YYMMDDHH)

447146.64	3763084.24	17.64205	(13013121)	447146.92
3763064.30	17.79388	(16072103)		
447149.92	3763038.90	17.83715	(16072103)	447148.56
3763019.78	17.75363	(16072103)		
447148.56	3762997.39	17.40780	(16072103)	447206.08
3762958.49	17.75742	(16072103)		
447209.33	3762922.51	17.63942	(15091006)	447208.40
3762890.70	17.80344	(15091006)		
447145.83	3762888.87	16.74041	(14091421)	447122.55
3762889.07	16.32694	(16111421)		
447094.33	3762890.05	16.14344	(16092723)	447071.04
3762890.45	15.95534	(16092723)		
447043.61	3762889.66	15.65249	(16092723)	447017.76
3762888.87	15.30027	(16092723)		
446992.11	3762889.07	14.90961	(16092723)	446964.28
3762888.28	14.52397	(13051323)		
446940.41	3762888.47	14.14499	(15082801)	446911.20
3762888.08	13.56572	(15082801)		
446885.35	3762889.66	13.25312	(15082801)	446862.07
3762888.87	12.92538	(15082801)		
446871.45	3762779.57	13.60863	(15081502)	446926.31
3762768.72	14.31619	(15081502)		
446983.74	3762774.24	15.04998	(14091321)	447009.00
3762774.05	15.25015	(14091321)		
447030.51	3762774.44	15.02994	(14091321)	447055.37
3762774.05	15.09295	(15050124)		
447076.88	3762774.24	15.39413	(15050124)	447101.16
3762774.44	16.09801	(15082801)		
447123.85	3762774.05	16.51246	(15082801)	447148.12
3762775.03	17.12258	(15082801)		
447170.23	3762774.84	17.58387	(15082801)	447196.78
3762775.48	17.97136	(16092723)		
447242.12	3762776.57	18.90758	(16092723)	447262.33
3762776.03	19.18899	(16092723)		
447294.56	3762776.30	19.42126	(16092723)	447313.13
3762775.48	19.68166	(16111421)		
447313.40	3762749.53	20.35055	(16092723)	447327.86
3762713.09	20.60690	(16092723)		
447327.36	3762679.87	19.72328	(13051203)	447327.74
3762657.02	19.38566	(13051203)		
447327.28	3762636.82	12.07451	(15120517)	447327.51
3762612.90	12.27429	(15120517)		
447327.28	3762592.24	12.32081	(15120517)	447327.04
3762569.71	12.35705	(16112103)		
447327.28	3762547.89	12.50991	(16112103)	447326.58
3762524.67	12.75869	(12020622)		
447326.58	3762506.09	12.86354	(12020622)	447327.51
3762477.53	12.89882	(12101719)		
447325.88	3762454.31	13.21182	(12101719)	447225.58
3762432.95	11.67538	(12101719)		
447200.27	3762430.63	11.26411	(12101719)	447156.85
3762430.16	10.75443	(15040323)		
447131.77	3762430.86	10.48918	(15040323)	447102.74
3762430.63	10.19886	(15040323)		
447079.06	3762430.86	9.96394	(15040323)	447034.94
3762433.65	9.52882	(15040323)		
446995.47	3762433.65	9.16929	(15040323)	446972.71
3762434.34	8.96625	(15040323)		
446941.37	3762434.58	8.70102	(15032622)	446916.06
3762436.90	8.49635	(15032622)		
446876.35	3762436.90	8.20328	(15032622)	446848.85
3762647.05	12.55958	(14100706)		
446848.85	3762563.17	7.77457	(12101719)	446849.17
3762509.82	7.69411	(12101719)		

446849.17	3762455.82	7.94657	(15040323)	446848.85
3762702.00	13.68216	(16092622)		
446849.49	3762754.71	13.35258	(16092622)	446739.81
3762428.53	7.27134	(15032622)		
446711.81	3762423.61	7.08388	(15032622)	446687.25
3762416.25	6.91035	(15032622)		
446662.20	3762412.32	6.74096	(15032622)	446636.17
3762403.97	6.54767	(15032622)		
449981.72	3762732.45	6.75959	(16082822)	446486.82
3762231.95	5.89929	(14100421)		
446261.97	3762068.01	5.12737	(15031521)	446443.15
3762291.63	5.84904	(15090905)		
446071.80	3762055.49	4.53181	(15031521)	446072.08
3761983.13	4.59201	(16021518)		
446138.18	3762002.17	4.77743	(16021518)	445884.94
3762039.75	4.05363	(15031521)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 220

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 10BREF ***
INCLUDING SOURCE(S): 10BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	18.58240	(14083005)	447375.98	
3764150.98	19.49236	(13090423)			
447389.75	3764043.04	19.24872	(15082523)	447450.16	
3764031.05	19.76610	(13090423)			
447410.18	3764019.05	19.24358	(15082523)	446891.90	
3764451.22	15.75861	(14081603)			
446959.28	3764451.22	15.84630	(12092724)	446995.28	
3764468.13	16.14138	(12083005)			
447007.41	3764467.30	16.16299	(12083005)	447023.51	
3764466.09	16.12151	(12051703)			
447036.59	3764466.21	16.23306	(12051703)	447052.68	
3764465.61	16.30533	(12051703)			
447066.60	3764465.73	16.46324	(13090723)	447099.65	
3764456.17	16.85192	(13090723)			
447145.28	3764468.27	17.00041	(13070222)	447175.54	
3764468.03	16.58640	(13070222)			
447205.32	3764468.27	16.53322	(13090423)	447232.43	
3764467.55	17.34454	(13090423)			
447264.02	3764467.30	18.00116	(13090423)	447294.77	
3764466.94	18.51788	(14083005)			
447364.97	3764456.41	18.30237	(15092502)	447406.61	
3764460.65	18.54141	(15092502)			
447441.47	3764460.04	18.40702	(12121605)	447466.88	
3764460.20	18.87580	(12080704)			
447490.00	3764460.56	18.94547	(12080704)	447515.50	
3764460.40	18.48486	(12080704)			
447573.06	3764454.29	18.53969	(16072603)	447598.49	
3764445.22	18.67310	(16072603)			
447652.90	3764439.70	19.79808	(12081001)	447692.92	

3764439.51	19.77993	(12081001)		
447713.82	3764439.11	20.01043	(12081604)	447731.95
3764438.72	19.95723	(12081604)		
447751.07	3764438.72	20.04833	(13091705)	447768.82
3764437.53	20.11678	(13091705)		
447789.12	3764437.73	20.59681	(16062701)	447805.68
3764437.34	20.71278	(16062701)		
447824.02	3764437.20	20.59468	(12071001)	447841.61
3764437.87	20.74375	(12071001)		
447861.72	3764437.53	20.62152	(15080504)	447881.66
3764435.18	20.85071	(15080504)		
447902.78	3764436.19	20.83836	(12092102)	447920.87
3764435.35	21.08198	(12092102)		
447942.16	3764435.35	20.90434	(12092102)	447962.77
3764434.85	20.82805	(16062804)		
447980.70	3764435.18	20.68855	(16062804)	448004.66
3764435.18	20.72833	(12083006)		
448021.25	3764434.68	20.49872	(12081106)	447662.70
3764379.63	20.59732	(12081001)		
447681.30	3764320.98	21.24288	(12081001)	447682.64
3764285.79	21.07993	(15062904)		
447662.53	3764238.37	20.86005	(16072603)	447661.70
3764207.37	20.70980	(16072603)		
447683.14	3764162.29	20.47379	(16072603)	447680.97
3764145.87	20.35237	(16072603)		
447679.63	3764130.28	20.15518	(16072603)	447680.80
3764112.02	19.95980	(16072603)		
447681.47	3764096.43	19.89181	(16072603)	447680.80
3764078.84	19.91311	(13062605)		
447679.96	3764064.26	20.14603	(13062605)	447680.97
3764045.82	20.44402	(13062605)		
447680.63	3764029.74	20.69482	(13062605)	447657.17
3763992.03	21.14528	(12080704)		
447656.33	3763967.06	21.49647	(12080704)	447657.17
3763928.69	21.86998	(14080203)		
447657.17	3763902.21	22.29738	(14080203)	447657.51
3763869.03	22.63710	(12072004)		
447656.16	3763834.94	23.35465	(12072004)	447655.93
3763808.27	23.85982	(12072004)		
447657.09	3763786.00	24.19705	(12072004)	447701.21
3763782.14	24.67818	(12072004)		
447856.92	3763749.71	24.79797	(15062904)	447854.99
3763730.13	24.93710	(15062904)		
447854.35	3763698.35	25.01797	(15062904)	447855.31
3763676.84	25.27089	(15072504)		
447675.51	3763287.46	26.32512	(16072804)	448481.33
3763485.29	32.77616	(13082522)		
448479.95	3763195.53	37.10881	(13082522)	448478.56
3762907.16	46.39296	(12071821)		
448497.89	3762714.10	61.03535	(12082821)	448507.91
3762487.71	92.88914	(12071302)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 221

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 10BREF ***
INCLUDING SOURCE(S): 10BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	199.72843	(14041207)	448462.73	
3762339.82	232.59706	(14041207)			
448464.47	3762265.93	428.62793	(16082707)	448461.57	
3762165.17	649.25962	(14120316)			
448472.57	3762064.71	280.69346	(12110519)	448460.48	
3762016.72	440.41000	(12121716)			
448234.63	3761951.18	140.78728	(12100123)	448081.42	
3761952.78	87.60872	(12100204)			
448025.53	3761955.99	76.18287	(15100921)	447506.75	
3761967.63	24.49449	(15031523)			
447269.29	3761967.74	17.47161	(14120121)	447389.46	
3761908.79	20.18455	(13121117)			
447019.14	3761964.34	13.11580	(14120121)	447060.33	
3761963.58	13.77055	(14120121)			
446975.31	3761963.20	12.52386	(14011518)	446940.92	
3761953.76	12.09277	(14120121)			
446865.72	3761974.54	11.65438	(14011518)	446795.06	
3761957.91	10.85649	(14011518)			
446757.65	3761965.85	10.60750	(14011518)	446709.33	
3761967.74	10.20957	(14011518)			
446796.42	3762028.62	11.04937	(16021518)	446796.97	
3762045.28	11.08520	(16021518)			
446796.70	3762089.51	10.95317	(15031521)	446796.15	
3762105.89	10.93563	(15031521)			
446796.70	3762137.29	10.64129	(15031521)	446796.15	
3762153.39	10.44314	(15031001)			
446772.40	3762215.37	10.42827	(16041722)	446795.06	
3762321.03	10.99814	(15090905)			
446796.42	3762450.98	10.74569	(15032622)	446796.42	
3762471.18	10.64939	(15032622)			
446797.24	3762496.03	10.57793	(15040323)	446798.06	
3762516.51	10.36830	(15040323)			
446797.79	3762539.98	10.24292	(16122321)	446797.52	
3762560.19	10.33911	(12101719)			
446798.61	3762584.76	10.47152	(12101719)	446798.06	
3762604.42	10.42169	(12101719)			
446799.70	3762654.11	12.22014	(15010901)	446799.97	
3762674.58	12.94833	(16102420)			
446800.25	3762700.25	13.54970	(16102420)	446800.25	
3762721.27	13.56150	(16111321)			
446799.97	3762735.74	13.49092	(12112807)	446797.79	
3762748.02	13.45359	(15120518)			
446802.16	3762913.47	12.44274	(12112420)	446802.16	
3762932.58	12.45177	(12112420)			
446802.43	3762949.24	12.35514	(12112420)	446802.98	
3762967.26	12.29269	(13051203)			
446802.70	3762986.09	12.30968	(13051203)	446802.16	
3763003.29	12.47599	(13092722)			
446802.16	3763021.86	12.57625	(13092722)	446802.70	
3763040.70	12.70570	(14042702)			
446802.98	3763059.26	12.98306	(15021422)	446803.52	
3763077.01	13.22867	(16110920)			
446756.29	3763085.26	11.72290	(16110920)	446807.68	
3763646.39	15.79131	(16072901)			
446808.32	3763674.66	15.87384	(16072901)	446807.68	
3763694.57	15.81963	(16072901)			
446808.32	3763710.63	15.73783	(16091102)	446808.32	
3763726.37	15.72522	(16091102)			
446808.00	3763742.11	15.58855	(16091102)	446808.32	
3763756.89	15.65021	(15082702)			

446808.64	3763798.32	15.72167	(15082702)	446810.25
3764484.08	15.16416	(15061824)		
446781.34	3764475.08	14.92730	(15061824)	446722.56
3764455.81	14.81665	(12081302)		
446170.32	3764559.79	12.69846	(16092001)	446872.29
3763190.26	15.89823	(14083105)		
446925.22	3763179.19	16.86034	(14083105)	446984.86
3763194.88	17.31008	(16072103)		
447010.56	3763193.28	18.01670	(12092322)	447036.58
3763193.60	18.22028	(12092322)		
447053.61	3763193.28	18.28624	(12092322)	447076.42
3763192.31	18.54783	(16122218)		
447093.45	3763192.63	19.09176	(16122218)	447122.05
3763192.63	19.15236	(16122218)		
447138.75	3763192.31	19.22754	(14091702)	447167.99
3763192.31	19.94245	(14091702)		
447170.68	3763172.18	19.56028	(14091702)	447170.41
3763158.25	19.39351	(16102419)		
447169.31	3763144.87	19.60450	(16102419)	447147.46
3763107.45	20.31166	(12092322)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 222

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 10BREF ***
INCLUDING SOURCE(S): 10BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	20.47249	(12092322)	447146.92	
3763064.30	20.32843	(16072103)			
447149.92	3763038.90	19.84216	(16072103)	447148.56	
3763019.78	19.68205	(14083105)			
447148.56	3762997.39	19.35928	(15091006)	447206.08	
3762958.49	19.30154	(15091006)			
447209.33	3762922.51	19.07994	(15091006)	447208.40	
3762890.70	18.98250	(16110920)			
447145.83	3762888.87	18.08660	(16110920)	447122.55	
3762889.07	17.52237	(16110920)			
447094.33	3762890.05	16.80532	(15021422)	447071.04	
3762890.45	16.47224	(14042702)			
447043.61	3762889.66	16.16207	(13092722)	447017.76	
3762888.87	15.89761	(13051203)			
446992.11	3762889.07	15.72763	(13051203)	446964.28	
3762888.28	15.41558	(13051203)			
446940.41	3762888.47	14.92058	(13051203)	446911.20	
3762888.08	14.16906	(12112420)			
446885.35	3762889.66	13.87805	(12112420)	446862.07	
3762888.87	13.54777	(12112420)			
446871.45	3762779.57	14.07215	(15120518)	446926.31	
3762768.72	14.85041	(14051305)			
446983.74	3762774.24	15.54137	(14051305)	447009.00	
3762774.05	15.63954	(14120205)			
447030.51	3762774.44	15.40245	(16112007)	447055.37	

3762774.05	15.39618	(16112007)		
447076.88	3762774.24	15.83864	(12112420)	447101.16
3762774.44	16.76589	(12112420)		
447123.85	3762774.05	17.19404	(12112420)	447148.12
3762775.03	17.80979	(12112420)		
447170.23	3762774.84	18.40353	(13051203)	447196.78
3762775.48	18.73258	(13051203)		
447242.12	3762776.57	19.48589	(13092722)	447262.33
3762776.03	19.70770	(13092722)		
447294.56	3762776.30	20.02135	(16110920)	447313.13
3762775.48	20.75971	(16110920)		
447313.40	3762749.53	20.87893	(13092722)	447327.86
3762713.09	21.15828	(13092722)		
447327.36	3762679.87	19.91300	(12112420)	447327.74
3762657.02	19.19597	(16112007)		
447327.28	3762636.82	17.06652	(15120517)	447327.51
3762612.90	17.11526	(16102407)		
447327.28	3762592.24	17.18961	(14022724)	447327.04
3762569.71	17.39541	(16112103)		
447327.28	3762547.89	17.67154	(12020622)	447326.58
3762524.67	17.91228	(12020622)		
447326.58	3762506.09	17.76802	(12020622)	447327.51
3762477.53	18.22790	(12101719)		
447325.88	3762454.31	18.63406	(12101719)	447225.58
3762432.95	16.01834	(15040323)		
447200.27	3762430.63	15.75061	(15040323)	447156.85
3762430.16	15.15791	(15040323)		
447131.77	3762430.86	14.79322	(15040323)	447102.74
3762430.63	14.38517	(15040323)		
447079.06	3762430.86	14.04818	(15040323)	447034.94
3762433.65	13.42165	(15040323)		
446995.47	3762433.65	12.89573	(15032622)	446972.71
3762434.34	12.63353	(15032622)		
446941.37	3762434.58	12.28214	(15032622)	446916.06
3762436.90	11.99249	(15032622)		
446876.35	3762436.90	11.56558	(15032622)	446848.85
3762647.05	12.60446	(16102420)		
446848.85	3762563.17	10.94196	(12101719)	446849.17
3762509.82	10.79972	(15040323)		
446849.17	3762455.82	11.21750	(15032622)	446848.85
3762702.00	14.01503	(16111321)		
446849.49	3762754.71	14.31847	(15120518)	446739.81
3762428.53	10.09515	(15032622)		
446711.81	3762423.61	9.75964	(15032622)	446687.25
3762416.25	9.41865	(15112622)		
446662.20	3762412.32	9.17372	(15112622)	446636.17
3762403.97	9.02693	(13022424)		
449981.72	3762732.45	9.74331	(16082822)	446486.82
3762231.95	8.26044	(15110319)		
446261.97	3762068.01	7.26118	(15031521)	446443.15
3762291.63	8.02782	(15090905)		
446071.80	3762055.49	6.42544	(15031521)	446072.08
3761983.13	6.49529	(16021518)		
446138.18	3762002.17	6.75083	(16021518)	445884.94
3762039.75	5.74921	(15031521)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 223

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 10BSPILL ***
INCLUDING SOURCE(S): 10BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	22.59998	(14070404)	447375.98	
3764150.98	23.62026	(13090423)			
447389.75	3764043.04	23.26057	(15082523)	447450.16	
3764031.05	23.87564	(13090423)			
447410.18	3764019.05	23.13248	(15082523)	446891.90	
3764451.22	19.22021	(14081603)			
446959.28	3764451.22	19.25819	(16072804)	446995.28	
3764468.13	19.71266	(12083005)			
447007.41	3764467.30	19.67921	(12083005)	447023.51	
3764466.09	19.62153	(12051703)			
447036.59	3764466.21	19.79669	(12051703)	447052.68	
3764465.61	19.85889	(12051703)			
447066.60	3764465.73	20.08512	(13090723)	447099.65	
3764456.17	20.67415	(13090723)			
447145.28	3764468.27	20.80064	(13070222)	447175.54	
3764468.03	20.07115	(13070222)			
447205.32	3764468.27	19.96258	(13090423)	447232.43	
3764467.55	21.22989	(13090423)			
447264.02	3764467.30	22.02447	(13090423)	447294.77	
3764466.94	22.72188	(14083005)			
447364.97	3764456.41	22.25891	(15092502)	447406.61	
3764460.65	22.67985	(15092502)			
447441.47	3764460.04	22.54440	(12121605)	447466.88	
3764460.20	23.08967	(12080704)			
447490.00	3764460.56	23.23494	(12080704)	447515.50	
3764460.40	22.44376	(13062605)			
447573.06	3764454.29	22.67527	(16072603)	447598.49	
3764445.22	22.75659	(16072603)			
447652.90	3764439.70	24.22163	(12081001)	447692.92	
3764439.51	24.12648	(12081604)			
447713.82	3764439.11	24.55923	(12081604)	447731.95	
3764438.72	24.37704	(12081604)			
447751.07	3764438.72	24.55399	(16082102)	447768.82	
3764437.53	24.57316	(16082102)			
447789.12	3764437.73	25.21873	(16062701)	447805.68	
3764437.34	25.36383	(16062701)			
447824.02	3764437.20	25.22182	(12071001)	447841.61	
3764437.87	25.48005	(12071001)			
447861.72	3764437.53	25.16837	(15080504)	447881.66	
3764435.18	25.56895	(15080504)			
447902.78	3764436.19	25.41404	(12092102)	447920.87	
3764435.35	25.84253	(12092102)			
447942.16	3764435.35	25.47162	(12092102)	447962.77	
3764434.85	25.56154	(16062804)			
447980.70	3764435.18	25.27336	(16062804)	448004.66	
3764435.18	25.50522	(12083006)			
448021.25	3764434.68	24.86839	(12081106)	447662.70	
3764379.63	25.10503	(12081001)			
447681.30	3764320.98	25.88643	(12081001)	447682.64	
3764285.79	25.82137	(15062904)			
447662.53	3764238.37	25.43846	(16072603)	447661.70	
3764207.37	25.23811	(16072603)			
447683.14	3764162.29	24.84446	(16072603)	447680.97	
3764145.87	24.66959	(16072603)			
447679.63	3764130.28	24.36851	(16072603)	447680.80	
3764112.02	24.05391	(16072603)			

3762045.28	13.82699	(16021518)		
446796.70	3762089.51	13.68359	(15031521)	446796.15
3762105.89	13.64651	(15031521)		
446796.70	3762137.29	13.13024	(12020719)	446796.15
3762153.39	12.94400	(15031001)		
446772.40	3762215.37	12.97815	(16041722)	446795.06
3762321.03	13.70722	(15090905)		
446796.42	3762450.98	13.41192	(15032622)	446796.42
3762471.18	13.27540	(15040323)		
446797.24	3762496.03	13.17325	(15040323)	446798.06
3762516.51	12.77994	(15040323)		
446797.79	3762539.98	12.71337	(16122321)	446797.52
3762560.19	12.85927	(16122321)		
446798.61	3762584.76	13.08473	(12101719)	446798.06
3762604.42	13.02490	(12101719)		
446799.70	3762654.11	13.38153	(16102420)	446799.97
3762674.58	14.48863	(16102420)		
446800.25	3762700.25	15.35743	(16102420)	446800.25
3762721.27	15.17693	(16011007)		
446799.97	3762735.74	15.21394	(12112807)	446797.79
3762748.02	15.16084	(12112807)		
446802.16	3762913.47	13.96811	(12112420)	446802.16
3762932.58	14.03046	(12112420)		
446802.43	3762949.24	13.90721	(12112420)	446802.98
3762967.26	13.62361	(15031023)		
446802.70	3762986.09	13.93285	(13092722)	446802.16
3763003.29	14.24630	(13092722)		
446802.16	3763021.86	14.39618	(13092722)	446802.70
3763040.70	14.47573	(14042702)		
446802.98	3763059.26	14.64092	(13122901)	446803.52
3763077.01	15.11490	(16110920)		
446756.29	3763085.26	13.18243	(13122901)	446807.68
3763646.39	18.69515	(12092801)		
446808.32	3763674.66	18.86972	(12092801)	446807.68
3763694.57	18.75874	(12092801)		
446808.32	3763710.63	18.73368	(16091102)	446808.32
3763726.37	18.75852	(16091102)		
446808.00	3763742.11	18.57985	(16091102)	446808.32
3763756.89	18.66163	(15082702)		
446808.64	3763798.32	18.83665	(15082702)	446810.25
3764484.08	18.57354	(15061824)		
446781.34	3764475.08	18.17721	(15061824)	446722.56
3764455.81	18.08796	(12092221)		
446170.32	3764559.79	15.46006	(16092001)	446872.29
3763190.26	18.53792	(14083105)		
446925.22	3763179.19	19.80486	(14083105)	446984.86
3763194.88	20.21216	(12092322)		
447010.56	3763193.28	21.16779	(12092322)	447036.58
3763193.60	21.34362	(12092322)		
447053.61	3763193.28	21.31699	(12092322)	447076.42
3763192.31	21.64229	(16123105)		
447093.45	3763192.63	22.34151	(16102419)	447122.05
3763192.63	22.37950	(16102419)		
447138.75	3763192.31	22.29046	(16122219)	447167.99
3763192.31	22.85378	(14091620)		
447170.68	3763172.18	22.51612	(16122219)	447170.41
3763158.25	22.48835	(16102419)		
447169.31	3763144.87	22.78643	(16102419)	447147.46
3763107.45	23.75083	(12092322)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 10BSPILL ***
INCLUDING SOURCE(S): 10BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	23.95422	(12092322)	447146.92	
3763064.30	23.40853	(16072103)			
447149.92	3763038.90	22.92146	(14083105)	447148.56	
3763019.78	22.78626	(14083105)			
447148.56	3762997.39	22.02967	(15091006)	447206.08	
3762958.49	21.64719	(15091006)			
447209.33	3762922.51	21.33270	(15091006)	447208.40	
3762890.70	21.58250	(16110920)			
447145.83	3762888.87	20.60529	(16110920)	447122.55	
3762889.07	19.84195	(16110920)			
447094.33	3762890.05	19.02462	(14042702)	447071.04	
3762890.45	18.74872	(14042702)			
447043.61	3762889.66	18.57238	(13092722)	447017.76	
3762888.87	18.25310	(13092722)			
446992.11	3762889.07	17.77749	(13092722)	446964.28	
3762888.28	17.34758	(15031023)			
446940.41	3762888.47	16.74128	(12112420)	446911.20	
3762888.08	16.09231	(12112420)			
446885.35	3762889.66	15.75946	(12112420)	446862.07	
3762888.87	15.34070	(12112420)			
446871.45	3762779.57	15.81382	(12031505)	446926.31	
3762768.72	16.77162	(14120205)			
446983.74	3762774.24	17.56140	(14120205)	447009.00	
3762774.05	17.83540	(16112007)			
447030.51	3762774.44	17.51091	(16112007)	447055.37	
3762774.05	17.38415	(16112007)			
447076.88	3762774.24	17.59474	(12112420)	447101.16	
3762774.44	18.84463	(12112420)			
447123.85	3762774.05	19.36946	(12112420)	447148.12	
3762775.03	20.13097	(12112420)			
447170.23	3762774.84	20.59270	(12112420)	447196.78	
3762775.48	21.01522	(13092722)			
447242.12	3762776.57	22.17954	(13092722)	447262.33	
3762776.03	22.35778	(13092722)			
447294.56	3762776.30	22.20918	(13122901)	447313.13	
3762775.48	23.11909	(16110920)			
447313.40	3762749.53	23.63532	(13092722)	447327.86	
3762713.09	23.82699	(13092722)			
447327.36	3762679.87	21.94482	(14051202)	447327.74	
3762657.02	21.29793	(15120517)			
447327.28	3762636.82	21.29072	(15120517)	447327.51	
3762612.90	21.35266	(16102407)			
447327.28	3762592.24	21.46034	(14022724)	447327.04	
3762569.71	21.68422	(16112103)			
447327.28	3762547.89	21.96322	(12020622)	447326.58	
3762524.67	22.32184	(12020622)			
447326.58	3762506.09	21.92972	(12020622)	447327.51	
3762477.53	22.55183	(12101719)			
447325.88	3762454.31	23.27454	(12101719)	447225.58	
3762432.95	19.72496	(16122321)			
447200.27	3762430.63	19.40929	(15040323)	447156.85	
3762430.16	18.80355	(15040323)			

447131.77	3762430.86	18.39157	(15040323)	447102.74
3762430.63	17.92209	(15040323)		
447079.06	3762430.86	17.51849	(15040323)	447034.94
3762433.65	16.74509	(15040323)		
446995.47	3762433.65	16.06326	(15040323)	446972.71
3762434.34	15.73078	(15032622)		
446941.37	3762434.58	15.31434	(15032622)	446916.06
3762436.90	14.95908	(15032622)		
446876.35	3762436.90	14.43280	(15032622)	446848.85
3762647.05	13.77670	(16102420)		
446848.85	3762563.17	13.63986	(12101719)	446849.17
3762509.82	13.26962	(15040323)		
446849.17	3762455.82	13.97580	(15032622)	446848.85
3762702.00	15.68896	(16011007)		
446849.49	3762754.71	15.96443	(15120518)	446739.81
3762428.53	12.46831	(15032622)		
446711.81	3762423.61	12.04533	(15112622)	446687.25
3762416.25	11.69441	(15112622)		
446662.20	3762412.32	11.34637	(15112622)	446636.17
3762403.97	11.24206	(13022424)		
449981.72	3762732.45	12.16599	(16082822)	446486.82
3762231.95	10.30705	(15110319)		
446261.97	3762068.01	9.08043	(15031521)	446443.15
3762291.63	9.97244	(14100421)		
446071.80	3762055.49	8.03815	(15031521)	446072.08
3761983.13	8.11129	(16021518)		
446138.18	3762002.17	8.40986	(16021518)	445884.94
3762039.75	7.19216	(15031521)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 226

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1H25 ***

INCLUDING SOURCE(S): L0000924 , L0000925 ,
L0000926 , L0000927 , L0000928 ,
L0000929 , L0000930 , L0000931 , L0000932 , L0000933 ,
L0000934 , L0000935 , L0000936 ,
L0000937 , L0000938 , L0000939 , L0000940 , L0000941 ,
L0000942 , L0000943 , L0000944 ,
L0000945 , L0000946 , L0000947 , L0000948 , L0000949 ,
L0000950 , L0000951 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	5.48039	(12081704)	447375.98	
3764150.98	5.41404	(15062905)			
447389.75	3764043.04	5.09397	(13081603)	447450.16	
3764031.05	5.28107	(15062905)			
447410.18	3764019.05	5.10641	(13081603)	446891.90	
3764451.22	3.97643	(16072901)			
446959.28	3764451.22	4.15133	(16092001)	446995.28	
3764468.13	4.29845	(15090724)			
447007.41	3764467.30	4.35170	(15090724)	447023.51	
3764466.09	4.40044	(15090724)			

447036.59	3764466.21	4.43693	(15090724)	447052.68
3764465.61	4.49052	(15090724)		
447066.60	3764465.73	4.54043	(15090724)	447099.65
3764456.17	4.63327	(15090724)		
447145.28	3764468.27	4.76717	(15062905)	447175.54
3764468.03	4.80836	(15062905)		
447205.32	3764468.27	4.86045	(12081704)	447232.43
3764467.55	5.06697	(12081704)		
447264.02	3764467.30	5.38575	(12081704)	447294.77
3764466.94	5.56387	(12081704)		
447364.97	3764456.41	5.78301	(12092221)	447406.61
3764460.65	5.98374	(14081603)		
447441.47	3764460.04	6.21592	(14081603)	447466.88
3764460.20	6.35180	(14081603)		
447490.00	3764460.56	6.43048	(14081603)	447515.50
3764460.40	6.51520	(12083005)		
447573.06	3764454.29	6.61496	(12083005)	447598.49
3764445.22	6.85806	(13070222)		
447652.90	3764439.70	7.62258	(13070222)	447692.92
3764439.51	7.93997	(13070222)		
447713.82	3764439.11	8.16154	(15092601)	447731.95
3764438.72	8.37647	(15092601)		
447751.07	3764438.72	8.57050	(15092601)	447768.82
3764437.53	8.78422	(15092601)		
447789.12	3764437.73	9.04976	(14083005)	447805.68
3764437.34	9.25509	(15092502)		
447824.02	3764437.20	9.53561	(15092502)	447841.61
3764437.87	9.77966	(15092502)		
447861.72	3764437.53	10.03846	(15092502)	447881.66
3764435.18	10.31097	(12080901)		
447902.78	3764436.19	10.65742	(12080901)	447920.87
3764435.35	10.93812	(12080901)		
447942.16	3764435.35	11.24141	(12080901)	447962.77
3764434.85	11.59282	(16072603)		
447980.70	3764435.18	11.92306	(16072603)	448004.66
3764435.18	12.33260	(12081001)		
448021.25	3764434.68	12.30921	(12081001)	447662.70
3764379.63	7.82259	(13070222)		
447681.30	3764320.98	7.96887	(13070222)	447682.64
3764285.79	7.80571	(13070222)		
447662.53	3764238.37	7.43811	(12083005)	447661.70
3764207.37	7.25019	(12083005)		
447683.14	3764162.29	7.06724	(12083005)	447680.97
3764145.87	6.91378	(12083005)		
447679.63	3764130.28	6.74921	(12083005)	447680.80
3764112.02	6.64550	(12083005)		
447681.47	3764096.43	6.56674	(12083005)	447680.80
3764078.84	6.53377	(12083005)		
447679.96	3764064.26	6.55917	(12083005)	447680.97
3764045.82	6.63222	(12083005)		
447680.63	3764029.74	6.66713	(12083005)	447657.17
3763992.03	6.45805	(14081603)		
447656.33	3763967.06	6.52289	(14081603)	447657.17
3763928.69	6.61430	(12092221)		
447657.17	3763902.21	6.67167	(12092221)	447657.51
3763869.03	6.61157	(12092221)		
447656.16	3763834.94	6.63378	(12092221)	447655.93
3763808.27	6.70212	(12081704)		
447657.09	3763786.00	6.76638	(12081704)	447701.21
3763782.14	7.13861	(12081704)		
447856.92	3763749.71	7.96096	(12083005)	447854.99
3763730.13	7.83596	(12083005)		
447854.35	3763698.35	7.69932	(12083005)	447855.31
3763676.84	7.62569	(12083005)		
447675.51	3763287.46	4.09112	(12101421)	448481.33
3763485.29	67.40223	(12121716)		

448479.95 3763195.53 62.38841 (12121716) 448478.56
 3762907.16 58.07829 (12121716)
 448497.89 3762714.10 39.67636 (12121716) 448507.91
 3762487.71 33.34804 (12121716)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 227

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 1H25 ***
 INCLUDING SOURCE(S): L0000924 , L0000925 ,
 L0000926 , L0000927 , L0000928 ,
 L0000929 , L0000930 , L0000931 , L0000932 , L0000933 ,
 L0000934 , L0000935 , L0000936 ,
 L0000937 , L0000938 , L0000939 , L0000940 , L0000941 ,
 L0000942 , L0000943 , L0000944 ,
 L0000945 , L0000946 , L0000947 , L0000948 , L0000949 ,
 L0000950 , L0000951 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	46.92998	(12121716)	448462.73	
3762339.82	35.84683	(12121716)			
448464.47	3762265.93	22.49511	(14113016)	448461.57	
3762165.17	15.10724	(15112121)			
448472.57	3762064.71	11.81828	(15112121)	448460.48	
3762016.72	10.92760	(15112121)			
448234.63	3761951.18	8.34647	(15092103)	448081.42	
3761952.78	6.51072	(16091922)			
448025.53	3761955.99	5.96654	(15090901)	447506.75	
3761967.63	3.18987	(15092023)			
447269.29	3761967.74	2.63049	(15090902)	447389.46	
3761908.79	2.88338	(15090902)			
447019.14	3761964.34	2.24655	(12091503)	447060.33	
3761963.58	2.29882	(12091503)			
446975.31	3761963.20	2.19267	(12091503)	446940.92	
3761953.76	2.15160	(12091503)			
446865.72	3761974.54	2.06793	(12091503)	446795.06	
3761957.91	1.99514	(15090904)			
446757.65	3761965.85	1.96088	(15090904)	446709.33	
3761967.74	1.91761	(15090904)			
446796.42	3762028.62	1.99875	(15090904)	446796.97	
3762045.28	1.99981	(15090904)			
446796.70	3762089.51	2.00407	(15090904)	446796.15	
3762105.89	2.00373	(15090904)			
446796.70	3762137.29	2.00451	(15090904)	446796.15	
3762153.39	2.00401	(15090904)			
446772.40	3762215.37	1.98223	(15090904)	446795.06	
3762321.03	2.00361	(15090904)			
446796.42	3762450.98	2.00427	(15090904)	446796.42	
3762471.18	2.00380	(15090904)			
446797.24	3762496.03	2.00571	(15090903)	446798.06	
3762516.51	2.00878	(15090903)			
446797.79	3762539.98	2.01044	(15090903)	446797.52	
3762560.19	2.01149	(15090903)			

446798.61	3762584.76	2.01410	(15090903)	446798.06
3762604.42	2.01530	(15090903)		
446799.70	3762654.11	2.02119	(15090903)	446799.97
3762674.58	2.02333	(15101221)		
446800.25	3762700.25	2.02607	(15101221)	446800.25
3762721.27	2.02696	(15101221)		
446799.97	3762735.74	2.02692	(15101221)	446797.79
3762748.02	2.02472	(15101221)		
446802.16	3762913.47	2.02432	(15101221)	446802.16
3762932.58	2.02405	(15100919)		
446802.43	3762949.24	2.02515	(15100919)	446802.98
3762967.26	2.02656	(15100919)		
446802.70	3762986.09	2.02741	(15100919)	446802.16
3763003.29	2.02818	(15100919)		
446802.16	3763021.86	2.02958	(15100919)	446802.70
3763040.70	2.03157	(15100919)		
446802.98	3763059.26	2.03319	(15100919)	446803.52
3763077.01	2.03477	(15100919)		
446756.29	3763085.26	1.98441	(15100919)	446807.68
3763646.39	2.78107	(16092723)		
446808.32	3763674.66	2.80325	(14091421)	446807.68
3763694.57	2.84071	(14091421)		
446808.32	3763710.63	2.84909	(14091421)	446808.32
3763726.37	2.86836	(14091421)		
446808.00	3763742.11	2.86133	(14091421)	446808.32
3763756.89	2.85411	(14091421)		
446808.64	3763798.32	2.90188	(14091421)	446810.25
3764484.08	3.84122	(16072901)		
446781.34	3764475.08	3.77832	(16072901)	446722.56
3764455.81	3.62668	(14091702)		
446170.32	3764559.79	2.86909	(12091002)	446872.29
3763190.26	2.10994	(15100919)		
446925.22	3763179.19	2.17124	(15100919)	446984.86
3763194.88	2.24853	(15100919)		
447010.56	3763193.28	2.28097	(15100919)	447036.58
3763193.60	2.31662	(15100919)		
447053.61	3763193.28	2.34316	(15101221)	447076.42
3763192.31	2.37911	(15101221)		
447093.45	3763192.63	2.40612	(15101221)	447122.05
3763192.63	2.45617	(15101221)		
447138.75	3763192.31	2.48469	(15101221)	447167.99
3763192.31	2.53721	(15101221)		
447170.68	3763172.18	2.54340	(15101221)	447170.41
3763158.25	2.54404	(15101221)		
447169.31	3763144.87	2.54221	(15101221)	447147.46
3763107.45	2.50229	(15101221)		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 228

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 1H25 ***
 INCLUDING SOURCE(S): L0000924 , L0000925 ,
 L0000926 , L0000927 , L0000928 ,
 L0000929 , L0000930 , L0000931 , L0000932 , L0000933 ,
 L0000934 , L0000935 , L0000936 ,
 L0000937 , L0000938 , L0000939 , L0000940 , L0000941 ,
 L0000942 , L0000943 , L0000944 ,
 L0000945 , L0000946 , L0000947 , L0000948 , L0000949 ,
 L0000950 , L0000951 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3

**

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	2.50162	(15101221)	447146.92	
3763064.30	2.50368	(15101221)			
447149.92	3763038.90	2.50934	(15101221)	447148.56	
3763019.78	2.50816	(15101221)			
447148.56	3762997.39	2.50839	(15101221)	447206.08	
3762958.49	2.60294	(15101221)			
447209.33	3762922.51	2.60309	(15101221)	447208.40	
3762890.70	2.59748	(15101221)			
447145.83	3762888.87	2.49155	(15101221)	447122.55	
3762889.07	2.45438	(15101221)			
447094.33	3762890.05	2.41084	(15101221)	447071.04	
3762890.45	2.37599	(15101221)			
447043.61	3762889.66	2.33597	(15101221)	447017.76	
3762888.87	2.29938	(15101221)			
446992.11	3762889.07	2.26416	(15101221)	446964.28	
3762888.28	2.22688	(15101221)			
446940.41	3762888.47	2.19542	(15101221)	446911.20	
3762888.08	2.15754	(15101221)			
446885.35	3762889.66	2.12551	(15101221)	446862.07	
3762888.87	2.09721	(15101221)			
446871.45	3762779.57	2.10802	(15101221)	446926.31	
3762768.72	2.17313	(15101221)			
446983.74	3762774.24	2.24586	(15101221)	447009.00	
3762774.05	2.27892	(15101221)			
447030.51	3762774.44	2.30683	(15101221)	447055.37	
3762774.05	2.34060	(15101221)			
447076.88	3762774.24	2.37194	(15090904)	447101.16	
3762774.44	2.41229	(15090904)			
447123.85	3762774.05	2.44969	(15090904)	447148.12	
3762775.03	2.49106	(15090904)			
447170.23	3762774.84	2.52942	(15090904)	447196.78	
3762775.48	2.57576	(15090904)			
447242.12	3762776.57	2.65853	(15090904)	447262.33	
3762776.03	2.69802	(13082904)			
447294.56	3762776.30	2.76645	(13082904)	447313.13	
3762775.48	2.80739	(13082904)			
447313.40	3762749.53	2.80715	(13090706)	447327.86	
3762713.09	2.84169	(13090706)			
447327.36	3762679.87	2.83658	(13090706)	447327.74	
3762657.02	2.83534	(13090706)			
447327.28	3762636.82	2.83172	(13090706)	447327.51	
3762612.90	2.82825	(13090706)			
447327.28	3762592.24	2.82514	(13090706)	447327.04	
3762569.71	2.82149	(13090706)			
447327.28	3762547.89	2.81877	(13090706)	447326.58	
3762524.67	2.81356	(13090706)			
447326.58	3762506.09	2.81040	(13090706)	447327.51	
3762477.53	2.80601	(13090706)			
447325.88	3762454.31	2.79741	(13090706)	447225.58	
3762432.95	2.59707	(12091503)			
447200.27	3762430.63	2.55132	(12091503)	447156.85	
3762430.16	2.47491	(12091503)			
447131.77	3762430.86	2.43260	(12091503)	447102.74	
3762430.63	2.38670	(15090904)			
447079.06	3762430.86	2.35198	(15090904)	447034.94	
3762433.65	2.29192	(15090904)			
446995.47	3762433.65	2.24048	(15090904)	446972.71	
3762434.34	2.21201	(15090904)			

446941.37	3762434.58	2.17453	(15090904)	446916.06
3762436.90	2.14473	(15090904)		
446876.35	3762436.90	2.09723	(15090904)	446848.85
3762647.05	2.07277	(15101221)		
446848.85	3762563.17	2.06443	(14091405)	446849.17
3762509.82	2.06548	(15090904)		
446849.17	3762455.82	2.06571	(15090904)	446848.85
3762702.00	2.07921	(15101221)		
446849.49	3762754.71	2.08237	(15101221)	446739.81
3762428.53	1.94343	(15090903)		
446711.81	3762423.61	1.91833	(15090903)	446687.25
3762416.25	1.89646	(15090903)		
446662.20	3762412.32	1.87534	(15090903)	446636.17
3762403.97	1.85380	(15090903)		
449981.72	3762732.45	2.10699	(15101302)	446486.82
3762231.95	1.73363	(15090903)		
446261.97	3762068.01	1.58512	(15100921)	446443.15
3762291.63	1.70532	(15090903)		
446071.80	3762055.49	1.47890	(15100921)	446072.08
3761983.13	1.47937	(15100921)		
446138.18	3762002.17	1.51575	(15100921)	445884.94
3762039.75	1.38613	(15100921)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 229

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1MC100 ***

INCLUDING SOURCE(S): L0000510 , L0000511 ,
L0000512 , L0000513 , L0000514 ,
L0000515 , L0000516 , L0000517 , L0000518 , L0000519 ,
L0000520 , L0000521 , L0000522 ,
L0000523 , L0000524 , L0000525 , L0000526 , L0000527 ,
L0000528 , L0000529 , L0000530 ,
L0000531 , L0000532 , L0000533 , L0000534 , L0000535 ,
L0000536 , L0000537 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	21.76814	(12080203)	447375.98	
3764150.98	23.52987	(12080203)			
447389.75	3764043.04	22.66883	(12081523)	447450.16	
3764031.05	23.32725	(16072222)			
447410.18	3764019.05	22.70197	(12081301)	446891.90	
3764451.22	14.06929	(15071803)			
446959.28	3764451.22	14.72198	(12072004)	446995.28	
3764468.13	15.33662	(12080704)			
447007.41	3764467.30	15.58055	(12080704)	447023.51	
3764466.09	15.77298	(12080704)			
447036.59	3764466.21	15.87099	(12080704)	447052.68	
3764465.61	16.07474	(16072603)			
447066.60	3764465.73	16.36650	(16072603)	447099.65	
3764456.17	16.87246	(15062904)			
447145.28	3764468.27	17.54194	(12081001)	447175.54	
3764468.03	17.49764	(12081604)			

447205.32	3764468.27	17.48749	(16082102)	447232.43
3764467.55	18.44361	(15032722)		
447264.02	3764467.30	19.87563	(15032722)	447294.77
3764466.94	20.42324	(14040923)		
447364.97	3764456.41	21.38624	(12083006)	447406.61
3764460.65	21.48696	(14072401)		
447441.47	3764460.04	22.05459	(16062805)	447466.88
3764460.20	22.24559	(15062202)		
447490.00	3764460.56	22.16351	(13090206)	447515.50
3764460.40	21.97107	(15062704)		
447573.06	3764454.29	21.66141	(12083004)	447598.49
3764445.22	22.44594	(12082822)		
447652.90	3764439.70	23.44558	(12102719)	447692.92
3764439.51	23.36964	(12080905)		
447713.82	3764439.11	22.88577	(12080905)	447731.95
3764438.72	23.43822	(12080824)		
447751.07	3764438.72	23.59948	(12080824)	447768.82
3764437.53	23.55358	(12080824)		
447789.12	3764437.73	23.41442	(12090802)	447805.68
3764437.34	23.19922	(12090506)		
447824.02	3764437.20	23.26790	(13070104)	447841.61
3764437.87	23.02584	(13070104)		
447861.72	3764437.53	22.80724	(15090723)	447881.66
3764435.18	22.54596	(13082502)		
447902.78	3764436.19	22.20673	(15101706)	447920.87
3764435.35	22.04205	(16072903)		
447942.16	3764435.35	21.79669	(12080823)	447962.77
3764434.85	21.61984	(12080823)		
447980.70	3764435.18	21.21937	(12080823)	448004.66
3764435.18	20.57155	(16062624)		
448021.25	3764434.68	19.84557	(16062624)	447662.70
3764379.63	25.50941	(12080905)		
447681.30	3764320.98	26.87188	(12080905)	447682.64
3764285.79	26.56603	(14082624)		
447662.53	3764238.37	26.53182	(14082624)	447661.70
3764207.37	26.20663	(14082624)		
447683.14	3764162.29	25.80186	(15081301)	447680.97
3764145.87	25.72437	(15081301)		
447679.63	3764130.28	24.58623	(15081301)	447680.80
3764112.02	23.31695	(15081301)		
447681.47	3764096.43	23.07831	(15080524)	447680.80
3764078.84	23.02938	(15080524)		
447679.96	3764064.26	23.49457	(15080524)	447680.97
3764045.82	24.25212	(15080524)		
447680.63	3764029.74	25.12477	(15080524)	447657.17
3763992.03	25.79938	(15080524)		
447656.33	3763967.06	27.25135	(15080524)	447657.17
3763928.69	29.43949	(15080524)		
447657.17	3763902.21	31.06442	(15080524)	447657.51
3763869.03	31.77634	(15080524)		
447656.16	3763834.94	34.16810	(15080524)	447655.93
3763808.27	36.67113	(15080524)		
447657.09	3763786.00	39.29592	(15080524)	447701.21
3763782.14	38.57304	(14080321)		
447856.92	3763749.71	25.58682	(12081701)	447854.99
3763730.13	25.69004	(12081701)		
447854.35	3763698.35	25.94349	(13090201)	447855.31
3763676.84	25.91055	(13090201)		
447675.51	3763287.46	96.82719	(12121716)	448481.33
3763485.29	11.24043	(14102523)		
448479.95	3763195.53	8.82794	(13063024)	448478.56
3762907.16	7.27238	(15082521)		
448497.89	3762714.10	7.08720	(15082521)	448507.91
3762487.71	6.97419	(12092023)		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 1MC100 ***

INCLUDING SOURCE(S): L0000510 , L0000511 ,
 L0000512 , L0000513 , L0000514 ,
 L0000515 , L0000516 , L0000517 , L0000518 , L0000519 ,
 L0000520 , L0000521 , L0000522 ,
 L0000523 , L0000524 , L0000525 , L0000526 , L0000527 ,
 L0000528 , L0000529 , L0000530 ,
 L0000531 , L0000532 , L0000533 , L0000534 , L0000535 ,
 L0000536 , L0000537 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	7.12637	(14081623)	448462.73	
3762339.82	7.25925	(15082623)			
448464.47	3762265.93	7.25635	(15082623)	448461.57	
3762165.17	7.22965	(12080622)			
448472.57	3762064.71	6.94445	(15102521)	448460.48	
3762016.72	6.99733	(13042022)			
448234.63	3761951.18	8.79124	(12071323)	448081.42	
3761952.78	11.99566	(12121716)			
448025.53	3761955.99	14.27115	(12121716)	447506.75	
3761967.63	16.74215	(15101301)			
447269.29	3761967.74	13.12486	(15090901)	447389.46	
3761908.79	13.98793	(14090704)			
447019.14	3761964.34	9.44381	(12091405)	447060.33	
3761963.58	9.95262	(12082901)			
446975.31	3761963.20	8.98232	(12091505)	446940.92	
3761953.76	8.63812	(15021220)			
446865.72	3761974.54	8.06609	(13100623)	446795.06	
3761957.91	7.53199	(12091503)			
446757.65	3761965.85	7.31957	(12091503)	446709.33	
3761967.74	7.00111	(16092702)			
446796.42	3762028.62	7.70531	(12091503)	446796.97	
3762045.28	7.72881	(12091503)			
446796.70	3762089.51	7.82486	(16092702)	446796.15	
3762105.89	7.84625	(15090904)			
446796.70	3762137.29	7.93229	(15090904)	446796.15	
3762153.39	7.95965	(15090904)			
446772.40	3762215.37	7.80292	(15090904)	446795.06	
3762321.03	8.13060	(15090903)			
446796.42	3762450.98	8.27403	(15100921)	446796.42	
3762471.18	8.26302	(15100921)			
446797.24	3762496.03	8.25476	(14080302)	446798.06	
3762516.51	8.27403	(15101023)			
446797.79	3762539.98	8.29967	(15100919)	446797.52	
3762560.19	8.32506	(15100919)			
446798.61	3762584.76	8.35619	(15100919)	446798.06	
3762604.42	8.36008	(15100919)			
446799.70	3762654.11	8.35522	(15100919)	446799.97	
3762674.58	8.32988	(15100919)			
446800.25	3762700.25	8.28086	(15100919)	446800.25	
3762721.27	8.25471	(14051523)			

446799.97	3762735.74	8.26120	(14051523)	446797.79
3762748.02	8.24611	(14051523)		
446802.16	3762913.47	8.20495	(15090905)	446802.16
3762932.58	8.20111	(15090905)		
446802.43	3762949.24	8.19427	(15090905)	446802.98
3762967.26	8.18360	(15090905)		
446802.70	3762986.09	8.16042	(15090905)	446802.16
3763003.29	8.13364	(15090905)		
446802.16	3763021.86	8.09954	(15090905)	446802.70
3763040.70	8.07215	(13112618)		
446802.98	3763059.26	8.04333	(13112618)	446803.52
3763077.01	8.02378	(13112618)		
446756.29	3763085.26	7.68042	(13112618)	446807.68
3763646.39	11.85716	(13062901)		
446808.32	3763674.66	11.89922	(13062901)	446807.68
3763694.57	11.92590	(13062901)		
446808.32	3763710.63	11.90638	(13062901)	446808.32
3763726.37	11.81533	(13062901)		
446808.00	3763742.11	11.68796	(16092823)	446808.32
3763756.89	11.63726	(16092823)		
446808.64	3763798.32	11.72096	(16092823)	446810.25
3764484.08	13.31546	(13090423)		
446781.34	3764475.08	13.01293	(15082523)	446722.56
3764455.81	12.50677	(13090723)		
446170.32	3764559.79	8.97852	(13081603)	446872.29
3763190.26	10.52205	(12092322)		
446925.22	3763179.19	11.37457	(12092322)	446984.86
3763194.88	12.35206	(14091620)		
447010.56	3763193.28	12.96348	(14091620)	447036.58
3763193.60	13.45299	(15082702)		
447053.61	3763193.28	13.98691	(15082702)	447076.42
3763192.31	14.57606	(15120720)		
447093.45	3763192.63	15.40714	(15120720)	447122.05
3763192.63	15.93431	(12081402)		
447138.75	3763192.31	16.26067	(15101401)	447167.99
3763192.31	17.21157	(16092823)		
447170.68	3763172.18	17.21611	(15101401)	447170.41
3763158.25	17.08684	(15101401)		
447169.31	3763144.87	17.13471	(12081402)	447147.46
3763107.45	16.81679	(15120720)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 231

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1MC100 ***

INCLUDING SOURCE(S): L0000510 , L0000511 ,
L0000512 , L0000513 , L0000514 ,
L0000515 , L0000516 , L0000517 , L0000518 , L0000519 ,
L0000520 , L0000521 , L0000522 ,
L0000523 , L0000524 , L0000525 , L0000526 , L0000527 ,
L0000528 , L0000529 , L0000530 ,
L0000531 , L0000532 , L0000533 , L0000534 , L0000535 ,
L0000536 , L0000537 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M)

447146.64	3763084.24	17.07818	(15082702)	447146.92
3763064.30	16.73613	(15082702)		
447149.92	3763038.90	16.07742	(14091620)	447148.56
3763019.78	15.77372	(14091620)		
447148.56	3762997.39	15.09883	(14091620)	447206.08
3762958.49	16.04341	(14091620)		
447209.33	3762922.51	15.90190	(16110920)	447208.40
3762890.70	15.70364	(15100919)		
447145.83	3762888.87	13.62858	(15100919)	447122.55
3762889.07	12.98143	(15100919)		
447094.33	3762890.05	12.26335	(15100919)	447071.04
3762890.45	11.75748	(14051522)		
447043.61	3762889.66	11.23911	(14051522)	447017.76
3762888.87	10.79363	(14051522)		
446992.11	3762889.07	10.38712	(14051522)	446964.28
3762888.28	9.98828	(14051522)		
446940.41	3762888.47	9.67228	(14051522)	446911.20
3762888.08	9.31811	(14051522)		
446885.35	3762889.66	9.02243	(15090905)	446862.07
3762888.87	8.77501	(15090905)		
446871.45	3762779.57	8.96861	(14051523)	446926.31
3762768.72	9.67133	(15100919)		
446983.74	3762774.24	10.55866	(15100919)	447009.00
3762774.05	11.00148	(15100919)		
447030.51	3762774.44	11.39784	(15100919)	447055.37
3762774.05	11.89472	(15100919)		
447076.88	3762774.24	12.36140	(15100919)	447101.16
3762774.44	12.93586	(15100919)		
447123.85	3762774.05	13.51491	(15100919)	447148.12
3762775.03	14.19347	(15100919)		
447170.23	3762774.84	14.87144	(15100919)	447196.78
3762775.48	15.76876	(15100919)		
447242.12	3762776.57	17.77957	(15101221)	447262.33
3762776.03	18.84373	(15101221)		
447294.56	3762776.30	20.78193	(15101221)	447313.13
3762775.48	22.07462	(15101221)		
447313.40	3762749.53	22.08141	(13082904)	447327.86
3762713.09	23.41539	(13082904)		
447327.36	3762679.87	23.34120	(13090706)	447327.74
3762657.02	23.23086	(13090706)		
447327.28	3762636.82	22.98176	(13090706)	447327.51
3762612.90	22.83681	(15090902)		
447327.28	3762592.24	22.71310	(15090902)	447327.04
3762569.71	22.50193	(15090902)		
447327.28	3762547.89	22.26336	(15090902)	447326.58
3762524.67	21.88376	(15090902)		
447326.58	3762506.09	21.62101	(15092023)	447327.51
3762477.53	21.33200	(15092023)		
447325.88	3762454.31	20.90049	(15092023)	447225.58
3762432.95	15.95339	(15090902)		
447200.27	3762430.63	14.99269	(13100623)	447156.85
3762430.16	13.80549	(12091503)		
447131.77	3762430.86	13.21336	(12091503)	447102.74
3762430.63	12.52087	(12091503)		
447079.06	3762430.86	12.00907	(16092702)	447034.94
3762433.65	11.24946	(15090904)		
446995.47	3762433.65	10.57793	(15090904)	446972.71
3762434.34	10.19834	(15090904)		
446941.37	3762434.58	9.78806	(15090903)	446916.06
3762436.90	9.51260	(15090903)		
446876.35	3762436.90	9.06930	(15090903)	446848.85
3762647.05	8.88428	(15100919)		
446848.85	3762563.17	8.80913	(15100919)	446849.17
3762509.82	8.80130	(15100921)		

446849.17	3762455.82	8.80288	(15100921)	446848.85
3762702.00	8.82655	(15100919)		
446849.49	3762754.71	8.73714	(14051523)	446739.81
3762428.53	7.74896	(15100921)		
446711.81	3762423.61	7.50696	(14080302)	446687.25
3762416.25	7.31793	(14080302)		
446662.20	3762412.32	7.13279	(15101023)	446636.17
3762403.97	6.96753	(15101023)		
449981.72	3762732.45	3.03811	(14073023)	446486.82
3762231.95	6.12223	(15100921)		
446261.97	3762068.01	5.13021	(15100921)	446443.15
3762291.63	5.89038	(15101023)		
446071.80	3762055.49	4.44055	(15101023)	446072.08
3761983.13	4.45155	(14080302)		
446138.18	3762002.17	4.68333	(15100921)	445884.94
3762039.75	3.99675	(15101023)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

PAGE 232

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1OR15 ***

INCLUDING SOURCE(S): L0000634 , L0000635 ,
L0000636 , L0000637 , L0000638 ,
L0000639 , L0000640 , L0000641 , L0000642 , L0000643 ,
L0000644 , L0000645 , L0000646 ,
L0000647 , L0000648 , L0000649 , L0000650 , L0000651 ,
L0000652 , L0000653 , L0000654 ,
L0000655 , L0000656 , L0000657 , L0000658 , L0000659 ,
L0000660 , L0000661 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	3.65778	(12090824)	447375.98	
3764150.98	3.87188	(15080404)			
447389.75	3764043.04	4.03289	(15081804)	447450.16	
3764031.05	4.08113	(14022021)			
447410.18	3764019.05	4.08062	(14022021)	446891.90	
3764451.22	3.08994	(12080823)			
446959.28	3764451.22	3.13751	(12080823)	446995.28	
3764468.13	3.15305	(14100622)			
447007.41	3764467.30	3.16773	(14100622)	447023.51	
3764466.09	3.18015	(14100622)			
447036.59	3764466.21	3.18678	(14100622)	447052.68	
3764465.61	3.19726	(16072205)			
447066.60	3764465.73	3.21525	(16072205)	447099.65	
3764456.17	3.26676	(13090302)			
447145.28	3764468.27	3.29023	(13090302)	447175.54	
3764468.03	3.28512	(13090302)			
447205.32	3764468.27	3.27645	(15080603)	447232.43	
3764467.55	3.32475	(15080603)			
447264.02	3764467.30	3.40282	(15092823)	447294.77	
3764466.94	3.44829	(15092823)			
447364.97	3764456.41	3.49635	(12083101)	447406.61	
3764460.65	3.50229	(12083101)			

447441.47	3764460.04	3.53403	(13081801)	447466.88
3764460.20	3.55603	(13081801)		
447490.00	3764460.56	3.56074	(13081801)	447515.50
3764460.40	3.55208	(13081801)		
447573.06	3764454.29	3.55530	(15081804)	447598.49
3764445.22	3.60596	(15081804)		
447652.90	3764439.70	3.71844	(15092723)	447692.92
3764439.51	3.73931	(15092723)		
447713.82	3764439.11	3.74939	(14090106)	447731.95
3764438.72	3.76583	(14090106)		
447751.07	3764438.72	3.78117	(16082901)	447768.82
3764437.53	3.80405	(16082901)		
447789.12	3764437.73	3.82586	(16082901)	447805.68
3764437.34	3.83531	(16082901)		
447824.02	3764437.20	3.84198	(15120617)	447841.61
3764437.87	3.84939	(15120617)		
447861.72	3764437.53	3.86614	(14101803)	447881.66
3764435.18	3.88433	(14101803)		
447902.78	3764436.19	3.90567	(16082101)	447920.87
3764435.35	3.92463	(16082101)		
447942.16	3764435.35	3.93812	(16082101)	447962.77
3764434.85	3.94513	(16082101)		
447980.70	3764435.18	3.94443	(16082101)	448004.66
3764435.18	3.93297	(12111420)		
448021.25	3764434.68	3.90812	(12111420)	447662.70
3764379.63	3.85205	(15092723)		
447681.30	3764320.98	3.96767	(16082901)	447682.64
3764285.79	3.99055	(16082901)		
447662.53	3764238.37	4.00396	(16082901)	447661.70
3764207.37	4.00464	(16082901)		
447683.14	3764162.29	4.06501	(14101803)	447680.97
3764145.87	4.07090	(14101803)		
447679.63	3764130.28	4.07904	(13091501)	447680.80
3764112.02	4.09380	(12082104)		
447681.47	3764096.43	4.11627	(12082104)	447680.80
3764078.84	4.14724	(12082104)		
447679.96	3764064.26	4.18169	(12082104)	447680.97
3764045.82	4.22838	(12082104)		
447680.63	3764029.74	4.26962	(12082104)	447657.17
3763992.03	4.33641	(14091221)		
447656.33	3763967.06	4.41489	(14091221)	447657.17
3763928.69	4.54934	(12081401)		
447657.17	3763902.21	4.65238	(12081401)	447657.51
3763869.03	4.74331	(12081401)		
447656.16	3763834.94	4.86049	(12081401)	447655.93
3763808.27	4.95865	(12081401)		
447657.09	3763786.00	5.06595	(12081204)	447701.21
3763782.14	5.15377	(12081204)		
447856.92	3763749.71	5.10310	(12112923)	447854.99
3763730.13	5.16294	(12112923)		
447854.35	3763698.35	5.26205	(13071404)	447855.31
3763676.84	5.34270	(13071404)		
447675.51	3763287.46	6.81446	(12083003)	448481.33
3763485.29	6.58063	(14120817)		
448479.95	3763195.53	7.61314	(13070604)	448478.56
3762907.16	8.87170	(13090823)		
448497.89	3762714.10	7.88974	(15100920)	448507.91
3762487.71	6.49562	(12072002)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich

Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 1OR15 ***

INCLUDING SOURCE(S): L0000634 , L0000635 ,
L0000636 , L0000637 , L0000638 ,
L0000639 , L0000640 , L0000641 , L0000642 , L0000643 ,
L0000644 , L0000645 , L0000646 ,
L0000647 , L0000648 , L0000649 , L0000650 , L0000651 ,
L0000652 , L0000653 , L0000654 ,
L0000655 , L0000656 , L0000657 , L0000658 , L0000659 ,
L0000660 , L0000661 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	6.11780	(15081222)	448462.73	
3762339.82	6.07351	(12090422)			
448464.47	3762265.93	5.48693	(14081023)	448461.57	
3762165.17	4.66503	(12081622)			
448472.57	3762064.71	3.82830	(14082722)	448460.48	
3762016.72	3.64836	(15082521)			
448234.63	3761951.18	3.62275	(12092023)	448081.42	
3761952.78	4.10013	(14100221)			
448025.53	3761955.99	4.23106	(14100221)	447506.75	
3761967.63	5.11472	(14100221)			
447269.29	3761967.74	5.94832	(14100221)	447389.46	
3761908.79	5.20012	(12110518)			
447019.14	3761964.34	6.98077	(14100221)	447060.33	
3761963.58	6.76165	(14100221)			
446975.31	3761963.20	7.21048	(14100221)	446940.92	
3761953.76	7.30898	(14100221)			
446865.72	3761974.54	8.18257	(14100221)	446795.06	
3761957.91	8.55514	(14100221)			
446757.65	3761965.85	8.99136	(14100221)	446709.33	
3761967.74	9.48956	(14100221)			
446796.42	3762028.62	9.85697	(12081622)	446796.97	
3762045.28	10.15216	(12081622)			
446796.70	3762089.51	11.99117	(13090522)	446796.15	
3762105.89	12.27213	(12080822)			
446796.70	3762137.29	13.02811	(12080822)	446796.15	
3762153.39	13.41159	(12080822)			
446772.40	3762215.37	16.30417	(15080601)	446795.06	
3762321.03	25.99538	(12062806)			
446796.42	3762450.98	31.90877	(13090323)	446796.42	
3762471.18	25.96045	(13090323)			
446797.24	3762496.03	21.33949	(13090523)	446798.06	
3762516.51	18.69205	(13090523)			
446797.79	3762539.98	16.36356	(13063024)	446797.52	
3762560.19	14.96297	(16082306)			
446798.61	3762584.76	13.91838	(12081104)	446798.06	
3762604.42	13.18184	(12081104)			
446799.70	3762654.11	11.61166	(13090506)	446799.97	
3762674.58	10.88859	(12070924)			
446800.25	3762700.25	11.81009	(13072204)	446800.25	
3762721.27	11.29383	(13072204)			
446799.97	3762735.74	10.90858	(14091221)	446797.79	
3762748.02	10.58914	(14091221)			
446802.16	3762913.47	7.47674	(14091221)	446802.16	
3762932.58	7.23801	(14091221)			
446802.43	3762949.24	7.04120	(14091221)	446802.98	
3762967.26	6.83950	(14091221)			

446802.70	3762986.09	6.62959	(15103019)	446802.16
3763003.29	6.54300	(15103019)		
446802.16	3763021.86	6.32951	(14110620)	446802.70
3763040.70	6.23245	(14110620)		
446802.98	3763059.26	6.13531	(15101323)	446803.52
3763077.01	6.03380	(15101323)		
446756.29	3763085.26	5.73284	(15101323)	446807.68
3763646.39	4.09861	(16062624)		
446808.32	3763674.66	4.03865	(16062624)	446807.68
3763694.57	4.00142	(16062624)		
446808.32	3763710.63	3.96723	(16062624)	446808.32
3763726.37	3.93375	(16062624)		
446808.00	3763742.11	3.89617	(16062624)	446808.32
3763756.89	3.86290	(16062624)		
446808.64	3763798.32	3.79600	(16062624)	446810.25
3764484.08	3.00315	(14070405)		
446781.34	3764475.08	2.99671	(16102922)	446722.56
3764455.81	2.98457	(16102922)		
446170.32	3764559.79	2.58083	(15083004)	446872.29
3763190.26	5.88513	(15101323)		
446925.22	3763179.19	6.13883	(14110620)	446984.86
3763194.88	6.17568	(15103019)		
447010.56	3763193.28	6.32274	(15103019)	447036.58
3763193.60	6.38226	(15103019)		
447053.61	3763193.28	6.43885	(14091221)	447076.42
3763192.31	6.54697	(14091221)		
447093.45	3763192.63	6.61914	(14091221)	447122.05
3763192.63	6.63943	(12080202)		
447138.75	3763192.31	6.65824	(12080202)	447167.99
3763192.31	6.65980	(12080202)		
447170.68	3763172.18	6.78990	(13072204)	447170.41
3763158.25	6.88648	(13072204)		
447169.31	3763144.87	7.00422	(13072204)	447147.46
3763107.45	7.36478	(13081424)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 234

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1OR15 ***

INCLUDING SOURCE(S): L0000634 , L0000635 ,
L0000636 , L0000637 , L0000638 ,
L0000639 , L0000640 , L0000641 , L0000642 , L0000643 ,
L0000644 , L0000645 , L0000646 ,
L0000647 , L0000648 , L0000649 , L0000650 , L0000651 ,
L0000652 , L0000653 , L0000654 ,
L0000655 , L0000656 , L0000657 , L0000658 , L0000659 ,
L0000660 , L0000661 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)
447146.64	3763084.24	7.57995	(13081424)	447146.92	
3763064.30	7.72538	(13081424)			
447149.92	3763038.90	7.96349	(14070602)	447148.56	
3763019.78	8.14355	(14070602)			

447148.56	3762997.39	8.38976	(16083105)	447206.08
3762958.49	8.83966	(14102523)		
447209.33	3762922.51	9.21982	(14102523)	447208.40
3762890.70	9.63492	(12083003)		
447145.83	3762888.87	9.59859	(14102523)	447122.55
3762889.07	9.54285	(16083105)		
447094.33	3762890.05	9.48576	(16083105)	447071.04
3762890.45	9.39174	(16083105)		
447043.61	3762889.66	9.23924	(16083105)	447017.76
3762888.87	9.08887	(14070602)		
446992.11	3762889.07	8.94264	(14070602)	446964.28
3762888.28	8.79302	(13072204)		
446940.41	3762888.47	8.63354	(13072204)	446911.20
3762888.08	8.52723	(14091221)		
446885.35	3762889.66	8.41555	(14091221)	446862.07
3762888.87	8.30638	(14091221)		
446871.45	3762779.57	10.43720	(13072204)	446926.31
3762768.72	11.27067	(16083105)		
446983.74	3762774.24	11.62567	(16083105)	447009.00
3762774.05	11.71652	(16083105)		
447030.51	3762774.44	11.26428	(13070405)	447055.37
3762774.05	11.19964	(16081404)		
447076.88	3762774.24	11.30278	(16081404)	447101.16
3762774.44	11.83865	(16081404)		
447123.85	3762774.05	11.96018	(16081404)	447148.12
3762775.03	12.30375	(16081404)		
447170.23	3762774.84	12.55741	(16081422)	447196.78
3762775.48	12.54686	(16081422)		
447242.12	3762776.57	12.60482	(15082723)	447262.33
3762776.03	12.62883	(15082723)		
447294.56	3762776.30	12.16321	(12081224)	447313.13
3762775.48	12.23984	(12081224)		
447313.40	3762749.53	13.35929	(12081224)	447327.86
3762713.09	13.68963	(15090623)		
447327.36	3762679.87	12.29703	(15082522)	447327.74
3762657.02	13.02118	(15082522)		
447327.28	3762636.82	13.57146	(12080922)	447327.51
3762612.90	14.54575	(12080922)		
447327.28	3762592.24	15.55233	(12080922)	447327.04
3762569.71	16.65832	(12080922)		
447327.28	3762547.89	17.99531	(12081123)	447326.58
3762524.67	19.91805	(14072824)		
447326.58	3762506.09	22.01513	(14082201)	447327.51
3762477.53	26.65050	(12081422)		
447325.88	3762454.31	33.13699	(15100920)	447225.58
3762432.95	47.36789	(12062806)		
447200.27	3762430.63	49.88859	(12062806)	447156.85
3762430.16	50.01039	(12062806)		
447131.77	3762430.86	48.87622	(12062806)	447102.74
3762430.63	48.83218	(12062806)		
447079.06	3762430.86	48.30379	(12062806)	447034.94
3762433.65	44.91230	(12062806)		
446995.47	3762433.65	44.54901	(12062806)	446972.71
3762434.34	43.69888	(12062806)		
446941.37	3762434.58	43.19327	(12062806)	446916.06
3762436.90	41.02099	(12062806)		
446876.35	3762436.90	40.71555	(12080922)	446848.85
3762647.05	12.16653	(15082723)		
446848.85	3762563.17	15.60929	(13063024)	446849.17
3762509.82	20.71702	(13090323)		
446849.17	3762455.82	31.92198	(15090924)	446848.85
3762702.00	12.52783	(14070602)		
446849.49	3762754.71	10.90208	(13072204)	446739.81
3762428.53	40.71807	(16082707)		
446711.81	3762423.61	40.07298	(16082707)	446687.25
3762416.25	39.86349	(12062806)		

446662.20	3762412.32	37.22430	(12062806)	446636.17
3762403.97	37.05672	(12110208)		
449981.72	3762732.45	3.17955	(12072002)	446486.82
3762231.95	47.12786	(12062806)		
446261.97	3762068.01	43.63998	(12080822)	446443.15
3762291.63	38.73795	(12062806)		
446071.80	3762055.49	44.69782	(12062806)	446072.08
3761983.13	43.80691	(12062806)		
446138.18	3762002.17	43.35593	(12062806)	445884.94
3762039.75	41.00182	(12062806)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 235

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1OR60 ***

INCLUDING SOURCE(S): L0001115 , L0001116 ,
L0001117 , L0001118 , L0001119 ,
L0001120 , L0001121 , L0001122 , L0001123 , L0001124 ,
L0001125 , L0001126 , L0001127 ,
L0001128 , L0001129 , L0001130 , L0001131 , L0001132 ,
L0001133 , L0001134 , L0001135 ,
L0001136 , L0001137 , L0001138 , L0001139 , L0001140 ,
L0001141 , L0001142 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	8.47922	(12081704)	447375.98	
3764150.98	8.74567	(13081603)			
447389.75	3764043.04	8.85920	(15090724)	447450.16	
3764031.05	8.85771	(15090724)			
447410.18	3764019.05	8.90051	(15090724)	446891.90	
3764451.22	7.59644	(12010218)			
446959.28	3764451.22	7.72505	(16092001)	446995.28	
3764468.13	7.75880	(15090724)			
447007.41	3764467.30	7.79464	(15090724)	447023.51	
3764466.09	7.81564	(15090724)			
447036.59	3764466.21	7.82267	(15090724)	447052.68	
3764465.61	7.83688	(15090724)			
447066.60	3764465.73	7.84288	(15090724)	447099.65	
3764456.17	7.85644	(15090724)			
447145.28	3764468.27	7.90051	(13081603)	447175.54	
3764468.03	7.87434	(15062905)			
447205.32	3764468.27	7.86861	(12081704)	447232.43	
3764467.55	8.02347	(12081704)			
447264.02	3764467.30	8.22500	(12081704)	447294.77	
3764466.94	8.28661	(12081704)			
447364.97	3764456.41	8.31865	(12081302)	447406.61	
3764460.65	8.29808	(12081302)			
447441.47	3764460.04	8.29884	(15092403)	447466.88	
3764460.20	8.31442	(14081603)			
447490.00	3764460.56	8.34737	(14081603)	447515.50	
3764460.40	8.34752	(14081603)			
447573.06	3764454.29	8.27101	(14081603)	447598.49	
3764445.22	8.33566	(12092724)			

447652.90	3764439.70	8.57502	(14091701)	447692.92
3764439.51	8.55805	(14091701)		
447713.82	3764439.11	8.54866	(14081405)	447731.95
3764438.72	8.58361	(14081405)		
447751.07	3764438.72	8.61130	(13070222)	447768.82
3764437.53	8.65211	(13070222)		
447789.12	3764437.73	8.68853	(13070222)	447805.68
3764437.34	8.70085	(13070222)		
447824.02	3764437.20	8.70522	(15092601)	447841.61
3764437.87	8.73743	(15092601)		
447861.72	3764437.53	8.76024	(15092601)	447881.66
3764435.18	8.78068	(12083105)		
447902.78	3764436.19	8.80767	(12083105)	447920.87
3764435.35	8.82352	(12083105)		
447942.16	3764435.35	8.82600	(12083105)	447962.77
3764434.85	8.81738	(12083105)		
447980.70	3764435.18	8.83381	(15080324)	448004.66
3764435.18	8.83532	(15080324)		
448021.25	3764434.68	8.77908	(15092502)	447662.70
3764379.63	8.84505	(14091701)		
447681.30	3764320.98	9.00934	(14091701)	447682.64
3764285.79	8.97368	(12092724)		
447662.53	3764238.37	8.98245	(14081603)	447661.70
3764207.37	8.95211	(14081603)		
447683.14	3764162.29	8.93791	(15061824)	447680.97
3764145.87	8.93916	(13082922)		
447679.63	3764130.28	8.92831	(13082922)	447680.80
3764112.02	8.91965	(13082922)		
447681.47	3764096.43	8.93013	(13082922)	447680.80
3764078.84	8.98740	(12092221)		
447679.96	3764064.26	9.05625	(12092221)	447680.97
3764045.82	9.14753	(12092221)		
447680.63	3764029.74	9.22811	(12092221)	447657.17
3763992.03	9.27506	(12092221)		
447656.33	3763967.06	9.37027	(15063002)	447657.17
3763928.69	9.55910	(15063002)		
447657.17	3763902.21	9.67687	(15063002)	447657.51
3763869.03	9.76681	(13062901)		
447656.16	3763834.94	9.93262	(13081603)	447655.93
3763808.27	10.09327	(13081603)		
447657.09	3763786.00	10.23481	(15090724)	447701.21
3763782.14	10.33505	(13081603)		
447856.92	3763749.71	10.43164	(12092221)	447854.99
3763730.13	10.47494	(12092221)		
447854.35	3763698.35	10.53150	(12092221)	447855.31
3763676.84	10.56010	(12092221)		
447675.51	3763287.46	11.61560	(16072103)	448481.33
3763485.29	12.83717	(12081001)		
448479.95	3763195.53	14.62606	(15082605)	448478.56
3762907.16	19.01258	(13082922)		
448497.89	3762714.10	25.39861	(15082702)	448507.91
3762487.71	49.06585	(15011116)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 236

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 1OR60 ***
INCLUDING SOURCE(S): L0001115 , L0001116 ,
L0001117 , L0001118 , L0001119 ,
L0001120 , L0001121 , L0001122 , L0001123 , L0001124 ,
L0001125 , L0001126 , L0001127 ,

L0001128 , L0001129 , L0001130 , L0001131 , L0001132 ,
 L0001133 , L0001134 , L0001135 ,
 L0001136 , L0001137 , L0001138 , L0001139 , L0001140 ,
 L0001141 , L0001142 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	164.15185	(12121716)	448462.73	
3762339.82	92.49137	(16092701)			
448464.47	3762265.93	49.60757	(15101023)	448461.57	
3762165.17	30.90366	(15090903)			
448472.57	3762064.71	22.30750	(16092702)	448460.48	
3762016.72	19.74379	(12091503)			
448234.63	3761951.18	16.51169	(15090904)	448081.42	
3761952.78	15.52247	(15100921)			
448025.53	3761955.99	14.75229	(15100921)	447506.75	
3761967.63	8.78350	(12020618)			
447269.29	3761967.74	7.16292	(14011319)	447389.46	
3761908.79	7.73105	(15101024)			
447019.14	3761964.34	5.91777	(13121117)	447060.33	
3761963.58	6.10058	(13121117)			
446975.31	3761963.20	5.72324	(13121117)	446940.92	
3761953.76	5.57524	(13121117)			
446865.72	3761974.54	5.34574	(14051523)	446795.06	
3761957.91	5.08350	(14051523)			
446757.65	3761965.85	4.97105	(14051523)	446709.33	
3761967.74	4.81442	(14051523)			
446796.42	3762028.62	5.06589	(14051523)	446796.97	
3762045.28	5.08996	(14120121)			
446796.70	3762089.51	5.15368	(14120121)	446796.15	
3762105.89	5.14689	(14120121)			
446796.70	3762137.29	5.20855	(14011518)	446796.15	
3762153.39	5.25366	(14011518)			
446772.40	3762215.37	5.20630	(14011518)	446795.06	
3762321.03	5.22564	(15031521)			
446796.42	3762450.98	5.07259	(16041722)	446796.42	
3762471.18	5.07791	(16041722)			
446797.24	3762496.03	5.05667	(16041722)	446798.06	
3762516.51	5.06934	(14100421)			
446797.79	3762539.98	5.07792	(15090905)	446797.52	
3762560.19	5.13261	(15090905)			
446798.61	3762584.76	5.17420	(15090905)	446798.06	
3762604.42	5.17817	(15090905)			
446799.70	3762654.11	5.37325	(15090905)	446799.97	
3762674.58	5.82216	(15090905)			
446800.25	3762700.25	5.99158	(14080304)	446800.25	
3762721.27	6.22416	(14080304)			
446799.97	3762735.74	6.23235	(14080304)	446797.79	
3762748.02	6.21844	(14080304)			
446802.16	3762913.47	5.67912	(14100321)	446802.16	
3762932.58	5.70752	(14100321)			
446802.43	3762949.24	5.71429	(14100321)	446802.98	
3762967.26	5.70261	(14100321)			
446802.70	3762986.09	5.68395	(14100321)	446802.16	
3763003.29	5.91764	(14100321)			
446802.16	3763021.86	5.93742	(14100321)	446802.70	
3763040.70	6.03448	(14100321)			
446802.98	3763059.26	6.16322	(15010901)	446803.52	
3763077.01	6.31950	(15010901)			

446756.29	3763085.26	5.60746	(16102420)	446807.68
3763646.39	8.22300	(14091421)		
446808.32	3763674.66	8.24719	(14091421)	446807.68
3763694.57	8.24804	(14091421)		
446808.32	3763710.63	8.21497	(14091421)	446808.32
3763726.37	8.16686	(14091421)		
446808.00	3763742.11	8.09008	(14091421)	446808.32
3763756.89	8.02285	(16021622)		
446808.64	3763798.32	8.03115	(16072703)	446810.25
3764484.08	7.45058	(14081705)		
446781.34	3764475.08	7.46269	(16072901)	446722.56
3764455.81	7.42002	(15081403)		
446170.32	3764559.79	6.62536	(16081724)	446872.29
3763190.26	8.49845	(16092622)		
446925.22	3763179.19	8.80927	(15081502)	446984.86
3763194.88	9.05147	(15081502)		
447010.56	3763193.28	9.34945	(15081502)	447036.58
3763193.60	9.47004	(15081502)		
447053.61	3763193.28	9.56381	(15081502)	447076.42
3763192.31	9.71962	(14091321)		
447093.45	3763192.63	9.88846	(14091321)	447122.05
3763192.63	9.91746	(14091321)		
447138.75	3763192.31	9.94820	(14091321)	447167.99
3763192.31	10.00315	(14091321)		
447170.68	3763172.18	10.03235	(14091321)	447170.41
3763158.25	10.00062	(14091321)		
447169.31	3763144.87	10.02641	(14091321)	447147.46
3763107.45	10.17600	(15081502)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 237

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1OR60 ***

INCLUDING SOURCE(S): L0001115 , L0001116 ,
L0001117 , L0001118 , L0001119 ,
L0001120 , L0001121 , L0001122 , L0001123 , L0001124 ,
L0001125 , L0001126 , L0001127 ,
L0001128 , L0001129 , L0001130 , L0001131 , L0001132 ,
L0001133 , L0001134 , L0001135 ,
L0001136 , L0001137 , L0001138 , L0001139 , L0001140 ,
L0001141 , L0001142 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	10.08535	(16092622)	447146.92	
3763064.30	10.14348	(16092622)			
447149.92	3763038.90	10.08763	(16092622)	447148.56	
3763019.78	10.01127	(16092622)			
447148.56	3762997.39	9.84300	(16111321)	447206.08	
3762958.49	8.85076	(15011101)			
447209.33	3762922.51	8.14626	(14100321)	447208.40	
3762890.70	8.16951	(14100321)			
447145.83	3762888.87	7.87078	(14100321)	447122.55	
3762889.07	7.74943	(14100321)			

447094.33	3762890.05	7.67258	(14100321)	447071.04
3762890.45	7.55165	(14100321)		
447043.61	3762889.66	7.40243	(14100321)	447017.76
3762888.87	7.19016	(14100321)		
446992.11	3762889.07	7.05134	(14100321)	446964.28
3762888.28	6.89362	(14100321)		
446940.41	3762888.47	6.73751	(14100321)	446911.20
3762888.08	6.44322	(14100321)		
446885.35	3762889.66	6.32756	(16092423)	446862.07
3762888.87	6.25316	(16092423)		
446871.45	3762779.57	6.41809	(14080304)	446926.31
3762768.72	6.67907	(14080304)		
446983.74	3762774.24	6.93758	(16092423)	447009.00
3762774.05	6.95519	(16092423)		
447030.51	3762774.44	6.81950	(16092423)	447055.37
3762774.05	6.79947	(16092423)		
447076.88	3762774.24	6.92351	(16092423)	447101.16
3762774.44	7.28231	(16092423)		
447123.85	3762774.05	7.41178	(16092423)	447148.12
3762775.03	7.63547	(16092423)		
447170.23	3762774.84	7.89391	(16092423)	447196.78
3762775.48	7.92407	(16092423)		
447242.12	3762776.57	8.18573	(16092423)	447262.33
3762776.03	8.29634	(16092423)		
447294.56	3762776.30	8.39038	(16092423)	447313.13
3762775.48	8.50794	(16092423)		
447313.40	3762749.53	8.66321	(16092423)	447327.86
3762713.09	8.61763	(16092423)		
447327.36	3762679.87	7.80074	(15032622)	447327.74
3762657.02	7.48115	(15032622)		
447327.28	3762636.82	7.43286	(15032622)	447327.51
3762612.90	7.61137	(15090905)		
447327.28	3762592.24	7.75319	(15090905)	447327.04
3762569.71	7.85184	(15090905)		
447327.28	3762547.89	7.89121	(15090905)	447326.58
3762524.67	7.85889	(15090905)		
447326.58	3762506.09	7.78666	(15090905)	447327.51
3762477.53	7.74502	(16041722)		
447325.88	3762454.31	7.78222	(16041722)	447225.58
3762432.95	7.07726	(16041722)		
447200.27	3762430.63	6.91487	(16041722)	447156.85
3762430.16	6.65784	(16041722)		
447131.77	3762430.86	6.51927	(16041722)	447102.74
3762430.63	6.36238	(16041722)		
447079.06	3762430.86	6.23988	(16041722)	447034.94
3762433.65	6.02810	(16041722)		
446995.47	3762433.65	5.84441	(16041722)	446972.71
3762434.34	5.74432	(16041722)		
446941.37	3762434.58	5.61033	(16041722)	446916.06
3762436.90	5.50959	(16041722)		
446876.35	3762436.90	5.35137	(16041722)	446848.85
3762647.05	5.46890	(15090905)		
446848.85	3762563.17	5.33390	(15090905)	446849.17
3762509.82	5.24978	(14100421)		
446849.17	3762455.82	5.26776	(16041722)	446848.85
3762702.00	6.27419	(14080304)		
446849.49	3762754.71	6.49240	(14080304)	446739.81
3762428.53	4.84776	(16041722)		
446711.81	3762423.61	4.74732	(16041722)	446687.25
3762416.25	4.66463	(15031521)		
446662.20	3762412.32	4.60366	(15031521)	446636.17
3762403.97	4.55707	(15031521)		
449981.72	3762732.45	13.25017	(15081321)	446486.82
3762231.95	4.35826	(16021518)		
446261.97	3762068.01	3.75299	(14011518)	446443.15
3762291.63	4.18752	(16021518)		

446071.80 3762055.49 3.40932 (14011518) 446072.08
 3761983.13 3.33938 (14120121)
 446138.18 3762002.17 3.45465 (14120121) 445884.94
 3762039.75 3.11566 (14011518)

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 238

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 1OR85 ***
 INCLUDING SOURCE(S): L0000867 , L0000868 ,
 L0000869 , L0000870 , L0000871 ,
 L0000872 , L0000873 , L0000874 , L0000875 , L0000876 ,
 L0000877 , L0000878 , L0000879 ,
 L0000880 , L0000881 , L0000882 , L0000883 , L0000884 ,
 L0000885 , L0000886 , L0000887 ,
 L0000888 , L0000889 , L0000890 , L0000891 , L0000892 ,
 L0000893 , L0000894 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	9.84668	(16072603)	447375.98	
3764150.98	10.25123	(12080704)			
447389.75	3764043.04	10.37212	(12080704)	447450.16	
3764031.05	10.31429	(16072603)			
447410.18	3764019.05	10.38783	(12080704)	446891.90	
3764451.22	9.18995	(13090723)			
446959.28	3764451.22	9.22715	(13090423)	446995.28	
3764468.13	9.28536	(13090423)			
447007.41	3764467.30	9.30840	(13090423)	447023.51	
3764466.09	9.30303	(13090423)			
447036.59	3764466.21	9.28197	(13090423)	447052.68	
3764465.61	9.25989	(13090423)			
447066.60	3764465.73	9.26066	(14083005)	447099.65	
3764456.17	9.32159	(12072004)			
447145.28	3764468.27	9.30858	(12072004)	447175.54	
3764468.03	9.27180	(12080704)			
447205.32	3764468.27	9.25395	(12080704)	447232.43	
3764467.55	9.36175	(12080704)			
447264.02	3764467.30	9.51328	(16072603)	447294.77	
3764466.94	9.61683	(16072603)			
447364.97	3764456.41	9.63705	(12081001)	447406.61	
3764460.65	9.58914	(12081001)			
447441.47	3764460.04	9.56350	(12081604)	447466.88	
3764460.20	9.51803	(16062701)			
447490.00	3764460.56	9.50074	(16062701)	447515.50	
3764460.40	9.43191	(16062701)			
447573.06	3764454.29	9.29881	(15032722)	447598.49	
3764445.22	9.35050	(12092102)			
447652.90	3764439.70	9.57975	(16062804)	447692.92	
3764439.51	9.57136	(12081106)			
447713.82	3764439.11	9.60314	(12081106)	447731.95	
3764438.72	9.62947	(12081106)			
447751.07	3764438.72	9.62559	(12081106)	447768.82	
3764437.53	9.62924	(12081106)			

447789.12	3764437.73	9.63795	(15062301)	447805.68
3764437.34	9.65655	(15062301)		
447824.02	3764437.20	9.68085	(13090206)	447841.61
3764437.87	9.71062	(13090206)		
447861.72	3764437.53	9.72676	(13090206)	447881.66
3764435.18	9.73169	(13090206)		
447902.78	3764436.19	9.73571	(15083004)	447920.87
3764435.35	9.73811	(15083004)		
447942.16	3764435.35	9.71924	(15083004)	447962.77
3764434.85	9.73045	(12082822)		
447980.70	3764435.18	9.76727	(12082822)	448004.66
3764435.18	9.77296	(12082822)		
448021.25	3764434.68	9.70062	(12082822)	447662.70
3764379.63	9.88421	(16062804)		
447681.30	3764320.98	10.08591	(16062804)	447682.64
3764285.79	10.07290	(16062804)		
447662.53	3764238.37	10.04565	(16062804)	447661.70
3764207.37	10.00067	(15032722)		
447683.14	3764162.29	10.02454	(12083006)	447680.97
3764145.87	10.00536	(12083006)		
447679.63	3764130.28	9.97790	(12083006)	447680.80
3764112.02	9.96167	(12083006)		
447681.47	3764096.43	9.97900	(12083006)	447680.80
3764078.84	10.02603	(15032722)		
447679.96	3764064.26	10.10936	(15032722)	447680.97
3764045.82	10.22030	(15032722)		
447680.63	3764029.74	10.32712	(15032722)	447657.17
3763992.03	10.51898	(15032722)		
447656.33	3763967.06	10.69067	(15032722)	447657.17
3763928.69	10.91931	(15032722)		
447657.17	3763902.21	11.08210	(15032722)	447657.51
3763869.03	11.20435	(15032722)		
447656.16	3763834.94	11.41754	(15032722)	447655.93
3763808.27	11.61472	(15032722)		
447657.09	3763786.00	11.78101	(15032722)	447701.21
3763782.14	11.84600	(15032722)		
447856.92	3763749.71	11.54527	(16062805)	447854.99
3763730.13	11.60981	(16062805)		
447854.35	3763698.35	11.71859	(12083006)	447855.31
3763676.84	11.79627	(12083006)		
447675.51	3763287.46	13.75263	(15072504)	448481.33
3763485.29	13.36899	(13072124)		
448479.95	3763195.53	14.84917	(15081522)	448478.56
3762907.16	14.53937	(12080723)		
448497.89	3762714.10	21.02673	(13090523)	448507.91
3762487.71	49.70433	(14090804)		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 239

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 1OR85 ***
 INCLUDING SOURCE(S): L0000867 , L0000868 ,
 L0000869 , L0000870 , L0000871 ,
 L0000872 , L0000873 , L0000874 , L0000875 , L0000876 ,
 L0000877 , L0000878 , L0000879 ,
 L0000880 , L0000881 , L0000882 , L0000883 , L0000884 ,
 L0000885 , L0000886 , L0000887 ,
 L0000888 , L0000889 , L0000890 , L0000891 , L0000892 ,
 L0000893 , L0000894 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3

**

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	115.16229	(15102517)	448462.73	
3762339.82	89.63584	(15102517)			
448464.47	3762265.93	54.18178	(12121716)	448461.57	
3762165.17	36.01660	(12121716)			
448472.57	3762064.71	25.21344	(12121716)	448460.48	
3762016.72	22.10257	(12121716)			
448234.63	3761951.18	18.74403	(12121716)	448081.42	
3761952.78	18.55970	(12121716)			
448025.53	3761955.99	18.10879	(12121716)	447506.75	
3761967.63	16.16847	(15090904)			
447269.29	3761967.74	14.72167	(15100921)	447389.46	
3761908.79	14.14382	(15090904)			
447019.14	3761964.34	11.64112	(14022022)	447060.33	
3761963.58	12.08934	(14022022)			
446975.31	3761963.20	11.19367	(15031424)	446940.92	
3761953.76	10.76611	(15031424)			
446865.72	3761974.54	10.32332	(15101024)	446795.06	
3761957.91	9.53930	(15101024)			
446757.65	3761965.85	9.20912	(12020618)	446709.33	
3761967.74	8.86588	(12020618)			
446796.42	3762028.62	9.92849	(14011319)	446796.97	
3762045.28	10.06166	(14011319)			
446796.70	3762089.51	10.40068	(13121117)	446796.15	
3762105.89	10.47858	(14051523)			
446796.70	3762137.29	10.72952	(14051523)	446796.15	
3762153.39	10.76387	(14051523)			
446772.40	3762215.37	10.76055	(14011518)	446795.06	
3762321.03	11.53631	(16021518)			
446796.42	3762450.98	11.33306	(15090905)	446796.42	
3762471.18	11.52729	(15090905)			
446797.24	3762496.03	11.61363	(15090905)	446798.06	
3762516.51	11.54847	(15090905)			
446797.79	3762539.98	11.30979	(15090905)	446797.52	
3762560.19	11.08701	(15032622)			
446798.61	3762584.76	11.19988	(15032622)	446798.06	
3762604.42	11.15276	(15032622)			
446799.70	3762654.11	10.78013	(15040323)	446799.97	
3762674.58	10.66501	(12101719)			
446800.25	3762700.25	10.64418	(12101719)	446800.25	
3762721.27	10.51452	(12101719)			
446799.97	3762735.74	10.36917	(12101719)	446797.79	
3762748.02	10.19878	(12101719)			
446802.16	3762913.47	9.29303	(15120517)	446802.16	
3762932.58	9.15150	(15120517)			
446802.43	3762949.24	8.99411	(15120517)	446802.98	
3762967.26	8.79895	(14051202)			
446802.70	3762986.09	8.68835	(13092722)	446802.16	
3763003.29	8.61766	(13092722)			
446802.16	3763021.86	8.71015	(13092722)	446802.70	
3763040.70	8.75568	(16110920)			
446802.98	3763059.26	9.12189	(16110920)	446803.52	
3763077.01	9.30852	(16110920)			
446756.29	3763085.26	7.81171	(13092722)	446807.68	
3763646.39	11.30054	(15082702)			
446808.32	3763674.66	11.07259	(15082702)	446807.68	
3763694.57	11.01549	(15050123)			
446808.32	3763710.63	10.93008	(15050123)	446808.32	
3763726.37	10.83411	(15050123)			

446808.00	3763742.11	10.70476	(15050123)	446808.32
3763756.89	10.57884	(15050123)		
446808.64	3763798.32	10.54554	(13062901)	446810.25
3764484.08	9.04937	(13090723)		
446781.34	3764475.08	9.04190	(12083005)	446722.56
3764455.81	9.02108	(16072804)		
446170.32	3764559.79	8.35250	(13081603)	446872.29
3763190.26	13.48323	(16072103)		
446925.22	3763179.19	13.95455	(12092322)	446984.86
3763194.88	13.84011	(14091702)		
447010.56	3763193.28	14.32250	(14091702)	447036.58
3763193.60	14.46109	(14091702)		
447053.61	3763193.28	14.55183	(14091702)	447076.42
3763192.31	14.69063	(14091702)		
447093.45	3763192.63	14.80701	(14091702)	447122.05
3763192.63	14.60597	(12101421)		
447138.75	3763192.31	14.63446	(15082702)	447167.99
3763192.31	14.72188	(15082702)		
447170.68	3763172.18	14.82998	(15082702)	447170.41
3763158.25	14.85533	(15082702)		
447169.31	3763144.87	15.05644	(15082903)	447147.46
3763107.45	16.00640	(14091702)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 240

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1OR85 ***

INCLUDING SOURCE(S): L0000867 , L0000868 ,
L0000869 , L0000870 , L0000871 ,
L0000872 , L0000873 , L0000874 , L0000875 , L0000876 ,
L0000877 , L0000878 , L0000879 ,
L0000880 , L0000881 , L0000882 , L0000883 , L0000884 ,
L0000885 , L0000886 , L0000887 ,
L0000888 , L0000889 , L0000890 , L0000891 , L0000892 ,
L0000893 , L0000894 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	16.30135	(14091702)	447146.92	
3763064.30	16.37480	(14091702)			
447149.92	3763038.90	16.42303	(12092322)	447148.56	
3763019.78	16.70087	(12092322)			
447148.56	3762997.39	14.82206	(14091620)	447206.08	
3762958.49	13.59773	(14091620)			
447209.33	3762922.51	13.47097	(14091521)	447208.40	
3762890.70	13.46935	(14091521)			
447145.83	3762888.87	12.85840	(13092602)	447122.55	
3762889.07	12.67213	(13092602)			
447094.33	3762890.05	12.42363	(16110920)	447071.04	
3762890.45	12.21063	(16110920)			
447043.61	3762889.66	11.92329	(16110920)	447017.76	
3762888.87	11.70285	(13092722)			
446992.11	3762889.07	11.49215	(13092722)	446964.28	
3762888.28	11.10762	(13092722)			

446940.41	3762888.47	10.83340	(13092722)	446911.20
3762888.08	10.33975	(15120517)		
446885.35	3762889.66	10.13110	(15120517)	446862.07
3762888.87	9.94978	(15120517)		
446871.45	3762779.57	10.83780	(12020622)	446926.31
3762768.72	11.52793	(12020622)		
446983.74	3762774.24	12.09019	(16112103)	447009.00
3762774.05	12.38909	(16112103)		
447030.51	3762774.44	12.73177	(15120517)	447055.37
3762774.05	13.14723	(15120517)		
447076.88	3762774.24	13.48295	(15120517)	447101.16
3762774.44	13.83266	(15120517)		
447123.85	3762774.05	14.14199	(15120517)	447148.12
3762775.03	14.40279	(15120517)		
447170.23	3762774.84	14.62580	(15120517)	447196.78
3762775.48	15.02358	(13092722)		
447242.12	3762776.57	15.67509	(13092722)	447262.33
3762776.03	15.92070	(13092722)		
447294.56	3762776.30	16.47441	(13092602)	447313.13
3762775.48	16.78490	(13092602)		
447313.40	3762749.53	17.41415	(13092602)	447327.86
3762713.09	18.92510	(13092722)		
447327.36	3762679.87	20.20774	(15120517)	447327.74
3762657.02	21.26623	(15120517)		
447327.28	3762636.82	21.97759	(15120517)	447327.51
3762612.90	23.03304	(12020622)		
447327.28	3762592.24	24.06119	(12020622)	447327.04
3762569.71	25.08527	(12101719)		
447327.28	3762547.89	26.29192	(12101719)	447326.58
3762524.67	27.05581	(15040323)		
447326.58	3762506.09	28.05034	(15032622)	447327.51
3762477.53	28.73450	(15090905)		
447325.88	3762454.31	29.87137	(15090905)	447225.58
3762432.95	23.16729	(15090905)		
447200.27	3762430.63	21.81415	(15090905)	447156.85
3762430.16	19.86467	(15090905)		
447131.77	3762430.86	18.90236	(15090905)	447102.74
3762430.63	17.87981	(14100421)		
447079.06	3762430.86	17.12939	(14100421)	447034.94
3762433.65	15.89788	(14100421)		
446995.47	3762433.65	14.91342	(14100421)	446972.71
3762434.34	14.39932	(14100421)		
446941.37	3762434.58	13.74043	(14100421)	446916.06
3762436.90	13.25739	(14100421)		
446876.35	3762436.90	12.53554	(14100421)	446848.85
3762647.05	11.41052	(15040323)		
446848.85	3762563.17	11.90924	(15032622)	446849.17
3762509.82	12.34126	(15090905)		
446849.17	3762455.82	12.23045	(15090905)	446848.85
3762702.00	11.21029	(12101719)		
446849.49	3762754.71	10.82411	(12020622)	446739.81
3762428.53	10.51351	(16041722)		
446711.81	3762423.61	10.18057	(16041722)	446687.25
3762416.25	9.89522	(16041722)		
446662.20	3762412.32	9.61521	(16041722)	446636.17
3762403.97	9.32177	(16041722)		
449981.72	3762732.45	5.63042	(15082923)	446486.82
3762231.95	8.18275	(14011518)		
446261.97	3762068.01	6.35477	(14120121)	446443.15
3762291.63	7.91606	(16021518)		
446071.80	3762055.49	5.52899	(14120121)	446072.08
3761983.13	5.46760	(14051523)		
446138.18	3762002.17	5.75163	(14051523)	445884.94
3762039.75	4.85802	(14120121)		

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 2CIDLE ***

INCLUDING SOURCE(S): L0000119 , L0000120 ,
 L0000121 , L0000122 , L0000123 ,
 L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
 L0000129 , L0000130 , L0000131 ,
 L0000132 , L0000133 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	31.45969	(14082503)	447375.98	
3764150.98	36.58267	(15081301)			
447389.75	3764043.04	32.15136	(12102718)	447450.16	
3764031.05	27.60113	(12071821)			
447410.18	3764019.05	27.70898	(12092220)	446891.90	
3764451.22	24.08220	(13071601)			
446959.28	3764451.22	24.91187	(15072504)	446995.28	
3764468.13	25.20563	(14101023)			
447007.41	3764467.30	25.50299	(16102921)	447023.51	
3764466.09	25.57139	(16102921)			
447036.59	3764466.21	25.61901	(14080503)	447052.68	
3764465.61	26.06876	(15032722)			
447066.60	3764465.73	26.48567	(15032722)	447099.65	
3764456.17	26.66589	(12080603)			
447145.28	3764468.27	27.05050	(12083006)	447175.54	
3764468.03	26.33180	(16072222)			
447205.32	3764468.27	25.94432	(16062805)	447232.43	
3764467.55	27.09598	(16081402)			
447264.02	3764467.30	28.92960	(15062704)	447294.77	
3764466.94	29.97079	(12083004)			
447364.97	3764456.41	29.41564	(12102719)	447406.61	
3764460.65	28.66068	(14082624)			
447441.47	3764460.04	29.29053	(13082522)	447466.88	
3764460.20	28.82263	(12090506)			
447490.00	3764460.56	28.54598	(13070104)	447515.50	
3764460.40	27.96069	(15090723)			
447573.06	3764454.29	26.14654	(16102718)	447598.49	
3764445.22	26.44207	(12080823)			
447652.90	3764439.70	27.77502	(13080424)	447692.92	
3764439.51	27.64062	(12092201)			
447713.82	3764439.11	27.45016	(12092201)	447731.95	
3764438.72	27.48111	(16062702)			
447751.07	3764438.72	27.38822	(16062702)	447768.82	
3764437.53	27.11909	(14053003)			
447789.12	3764437.73	27.27378	(13072124)	447805.68	
3764437.34	27.45890	(13072124)			
447824.02	3764437.20	27.26599	(13072124)	447841.61	
3764437.87	26.71598	(13071901)			
447861.72	3764437.53	26.33145	(15080404)	447881.66	
3764435.18	26.36313	(15101323)			
447902.78	3764436.19	26.25535	(15101323)	447920.87	
3764435.35	26.01769	(14110620)			
447942.16	3764435.35	25.65313	(14110620)	447962.77	

3764434.85	25.25341	(14022021)		
447980.70	3764435.18	24.72914	(14022021)	448004.66
3764435.18	24.35227	(15103019)		
448021.25	3764434.68	23.52487	(15103019)	447662.70
3764379.63	30.53532	(14082605)		
447681.30	3764320.98	32.28635	(16062702)	447682.64
3764285.79	32.11923	(16062702)		
447662.53	3764238.37	31.95011	(16062702)	447661.70
3764207.37	31.23285	(16062702)		
447683.14	3764162.29	29.90253	(12052204)	447680.97
3764145.87	29.78064	(15081422)		
447679.63	3764130.28	29.65863	(15081422)	447680.80
3764112.02	24.10719	(15081422)		
447681.47	3764096.43	22.80687	(15081422)	447680.80
3764078.84	20.77184	(12071302)		
447679.96	3764064.26	21.26289	(12071302)	447680.97
3764045.82	22.39815	(12071302)		
447680.63	3764029.74	24.28315	(13081601)	447657.17
3763992.03	23.03321	(12071302)		
447656.33	3763967.06	25.98896	(14081102)	447657.17
3763928.69	29.66206	(13090903)		
447657.17	3763902.21	32.04114	(13090903)	447657.51
3763869.03	28.85321	(16092822)		
447656.16	3763834.94	31.74180	(13090101)	447655.93
3763808.27	36.11525	(13090101)		
447657.09	3763786.00	39.61792	(16082424)	447701.21
3763782.14	40.21173	(15082824)		
447856.92	3763749.71	25.69629	(15082922)	447854.99
3763730.13	26.41253	(13082723)		
447854.35	3763698.35	27.53172	(15061923)	447855.31
3763676.84	27.97436	(15061923)		
447675.51	3763287.46	62.53175	(15102517)	448481.33
3763485.29	11.56551	(15101322)		
448479.95	3763195.53	11.72686	(14082722)	448478.56
3762907.16	10.65463	(12092023)		
448497.89	3762714.10	9.60653	(15082624)	448507.91
3762487.71	8.47995	(12080622)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 242

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 2CIDLE ***
INCLUDING SOURCE(S): L0000119 , L0000120 ,
L0000121 , L0000122 , L0000123 ,
L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
L0000129 , L0000130 , L0000131 ,
L0000132 , L0000133 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	7.86167	(15102521)	448462.73	
3762339.82	7.85385	(15102521)			
448464.47	3762265.93	7.55189	(13042022)	448461.57	
3762165.17	7.02170	(15102123)			

448472.57	3762064.71	6.64145	(13110118)	448460.48
3762016.72	6.44880	(13051122)		
448234.63	3761951.18	6.94553	(14110618)	448081.42
3761952.78	9.90029	(12121716)		
448025.53	3761955.99	9.34870	(12121716)	447506.75
3761967.63	8.83471	(13050222)		
447269.29	3761967.74	8.91042	(16021522)	447389.46
3761908.79	8.32663	(13112720)		
447019.14	3761964.34	8.66068	(15090923)	447060.33
3761963.58	8.68460	(15090923)		
446975.31	3761963.20	8.59343	(14090704)	446940.92
3761953.76	8.36942	(14050301)		
446865.72	3761974.54	8.47769	(16091922)	446795.06
3761957.91	8.26200	(15090901)		
446757.65	3761965.85	8.12294	(15090901)	446709.33
3761967.74	7.99753	(13083002)		
446796.42	3762028.62	8.75694	(15090901)	446796.97
3762045.28	8.86922	(15090901)		
446796.70	3762089.51	9.16734	(13083002)	446796.15
3762105.89	9.33525	(13083002)		
446796.70	3762137.29	9.64925	(13083002)	446796.15
3762153.39	9.80237	(13083002)		
446772.40	3762215.37	10.23667	(16061824)	446795.06
3762321.03	11.58117	(16061824)		
446796.42	3762450.98	13.45593	(12082901)	446796.42
3762471.18	13.72651	(12082901)		
446797.24	3762496.03	14.06628	(12091405)	446798.06
3762516.51	14.49789	(12091405)		
446797.79	3762539.98	14.93377	(12091405)	446797.52
3762560.19	15.33975	(12091505)		
446798.61	3762584.76	15.79793	(12091505)	446798.06
3762604.42	16.19656	(15021220)		
446799.70	3762654.11	17.37897	(16102021)	446799.97
3762674.58	17.78592	(16102021)		
446800.25	3762700.25	18.32021	(15092006)	446800.25
3762721.27	18.88013	(15092006)		
446799.97	3762735.74	19.21308	(12091503)	446797.79
3762748.02	19.56254	(12091503)		
446802.16	3762913.47	24.00407	(14091405)	446802.16
3762932.58	24.69823	(12100204)		
446802.43	3762949.24	25.37370	(15090903)	446802.98
3762967.26	26.09134	(15090903)		
446802.70	3762986.09	26.97797	(15100921)	446802.16
3763003.29	27.51520	(15100921)		
446802.16	3763021.86	27.78029	(15100921)	446802.70
3763040.70	28.05882	(14080302)		
446802.98	3763059.26	28.60157	(15101023)	446803.52
3763077.01	29.22652	(15101023)		
446756.29	3763085.26	26.35774	(15031424)	446807.68
3763646.39	28.33378	(13092722)		
446808.32	3763674.66	27.90808	(13092602)	446807.68
3763694.57	27.11237	(13092602)		
446808.32	3763710.63	26.33552	(16112718)	446808.32
3763726.37	26.32003	(14091521)		
446808.00	3763742.11	26.13151	(15090824)	446808.32
3763756.89	25.96757	(15090824)		
446808.64	3763798.32	24.72110	(15101223)	446810.25
3764484.08	22.92531	(14082924)		
446781.34	3764475.08	23.06197	(15082605)	446722.56
3764455.81	22.39406	(15082523)		
446170.32	3764559.79	16.00783	(15082702)	446872.29
3763190.26	38.18984	(12020618)		
446925.22	3763179.19	44.17271	(15101024)	446984.86
3763194.88	53.63199	(15101024)		
447010.56	3763193.28	58.47384	(15101023)	447036.58
3763193.60	64.66440	(15101023)		

447053.61	3763193.28	68.64091	(15101023)	447076.42
3763192.31	76.28422	(15100921)		
447093.45	3763192.63	82.63485	(15100921)	447122.05
3763192.63	92.29906	(15100921)		
447138.75	3763192.31	98.24367	(12100204)	447167.99
3763192.31	113.66913	(15090904)		
447170.68	3763172.18	107.21128	(15090922)	447170.41
3763158.25	100.26552	(15090922)		
447169.31	3763144.87	95.20046	(16102021)	447147.46
3763107.45	77.54079	(16102021)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 243

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2CIDLE ***

INCLUDING SOURCE(S): L0000119 , L0000120 ,
L0000121 , L0000122 , L0000123 ,
L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
L0000129 , L0000130 , L0000131 ,
L0000132 , L0000133 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	71.04405	(12091505)	447146.92	
3763064.30	66.28266	(16092705)			
447149.92	3763038.90	61.65383	(12100123)	447148.56	
3763019.78	57.87249	(12100123)			
447148.56	3762997.39	53.55623	(16061824)	447206.08	
3762958.49	51.41921	(16091922)			
447209.33	3762922.51	45.41707	(14090704)	447208.40	
3762890.70	41.49952	(14090704)			
447145.83	3762888.87	39.38479	(15090901)	447122.55	
3762889.07	38.01696	(13083002)			
447094.33	3762890.05	36.64769	(16061824)	447071.04	
3762890.45	35.69593	(12100123)			
447043.61	3762889.66	33.87461	(12082901)	447017.76	
3762888.87	32.74175	(12091505)			
446992.11	3762889.07	31.55924	(16102021)	446964.28	
3762888.28	30.10732	(16102021)			
446940.41	3762888.47	29.00363	(15092006)	446911.20	
3762888.08	27.84059	(12091503)			
446885.35	3762889.66	26.79910	(15090922)	446862.07	
3762888.87	25.72923	(15090904)			
446871.45	3762779.57	22.13099	(13100623)	446926.31	
3762768.72	23.35879	(12091505)			
446983.74	3762774.24	25.25229	(12082901)	447009.00	
3762774.05	26.08358	(12100123)			
447030.51	3762774.44	26.54893	(16061824)	447055.37	
3762774.05	27.12430	(13083002)			
447076.88	3762774.24	27.86551	(13083002)	447101.16	
3762774.44	28.79355	(15090901)			
447123.85	3762774.05	29.16227	(15090901)	447148.12	
3762775.03	29.68190	(16091922)			
447170.23	3762774.84	29.85805	(14090704)	447196.78	

3762775.48	30.48877	(15090923)		
447242.12	3762776.57	31.35111	(15092103)	447262.33
3762776.03	31.27127	(15101301)		
447294.56	3762776.30	31.45286	(15101301)	447313.13
3762775.48	31.17346	(12112321)		
447313.40	3762749.53	29.29829	(12112321)	447327.86
3762713.09	27.05950	(16100624)		
447327.36	3762679.87	25.11820	(16100624)	447327.74
3762657.02	23.93406	(16100624)		
447327.28	3762636.82	22.95824	(16100624)	447327.51
3762612.90	21.87836	(16100624)		
447327.28	3762592.24	21.02934	(16100624)	447327.04
3762569.71	20.16573	(16100624)		
447327.28	3762547.89	19.38604	(16100624)	447326.58
3762524.67	18.61124	(16100624)		
447326.58	3762506.09	18.02845	(16100624)	447327.51
3762477.53	17.17842	(16100624)		
447325.88	3762454.31	16.53764	(16100624)	447225.58
3762432.95	15.91874	(15101301)		
447200.27	3762430.63	15.86016	(15092103)	447156.85
3762430.16	15.58838	(15092103)		
447131.77	3762430.86	15.58364	(15090923)	447102.74
3762430.63	15.43543	(14090704)		
447079.06	3762430.86	15.20456	(14090704)	447034.94
3762433.65	15.12552	(16091922)		
446995.47	3762433.65	14.92439	(15090901)	446972.71
3762434.34	14.83948	(15090901)		
446941.37	3762434.58	14.39575	(13083002)	446916.06
3762436.90	14.31522	(13083002)		
446876.35	3762436.90	13.90653	(16061824)	446848.85
3762647.05	17.99683	(12091505)		
446848.85	3762563.17	16.01680	(12082901)	446849.17
3762509.82	15.05788	(12100123)		
446849.17	3762455.82	14.03779	(12100123)	446848.85
3762702.00	19.49494	(16102021)		
446849.49	3762754.71	20.81572	(13100623)	446739.81
3762428.53	12.51613	(12091405)		
446711.81	3762423.61	12.24213	(12091505)	446687.25
3762416.25	11.93768	(12091505)		
446662.20	3762412.32	11.67443	(15021220)	446636.17
3762403.97	11.39411	(15021220)		
449981.72	3762732.45	3.56119	(15091023)	446486.82
3762231.95	8.91944	(16102021)		
446261.97	3762068.01	6.93231	(15092006)	446443.15
3762291.63	9.05504	(15092006)		
446071.80	3762055.49	6.20576	(16092702)	446072.08
3761983.13	5.98162	(15090922)		
446138.18	3762002.17	6.25383	(12091503)	445884.94
3762039.75	5.57112	(15090904)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 244

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2CON ***

INCLUDING SOURCE(S):		L0000134	L0000135	
L0000139	, L0000140	, L0000141	, L0000142	, L0000143
L0000144	, L0000145	, L0000146	, L0000147	, L0000148
L0000147	, L0000148	, L0000149	, L0000150	, L0000151
L0000152	, L0000153	, L0000154	, L0000155	, L0000156
L0000155	, L0000156	, L0000157	, L0000158	, L0000159

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF OTHER IN		**	
		MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	25.12469	(12083004)	447375.98	
3764150.98	28.16466	(12083004)			
447389.75	3764043.04	24.25554	(14081423)	447450.16	
3764031.05	23.94917	(12102718)			
447410.18	3764019.05	24.61857	(12082722)	446891.90	
3764451.22	19.39715	(14082924)			
446959.28	3764451.22	19.92581	(13071601)	446995.28	
3764468.13	20.30004	(15072504)			
447007.41	3764467.30	20.55909	(15072504)	447023.51	
3764466.09	20.63798	(15072504)			
447036.59	3764466.21	20.67682	(14101023)	447052.68	
3764465.61	20.93018	(14101023)			
447066.60	3764465.73	21.07004	(16102921)	447099.65	
3764456.17	21.34907	(14080503)			
447145.28	3764468.27	21.59836	(15032722)	447175.54	
3764468.03	21.00074	(12080203)			
447205.32	3764468.27	21.00750	(12083006)	447232.43	
3764467.55	21.85805	(16072222)			
447264.02	3764467.30	23.28144	(16062805)	447294.77	
3764466.94	23.80211	(15062202)			
447364.97	3764456.41	23.76616	(12083004)	447406.61	
3764460.65	23.62331	(12082822)			
447441.47	3764460.04	23.35113	(14082624)	447466.88	
3764460.20	23.24780	(14082624)			
447490.00	3764460.56	23.13192	(13082522)	447515.50	
3764460.40	22.91370	(13082522)			
447573.06	3764454.29	21.79430	(13070104)	447598.49	
3764445.22	22.17926	(15090723)			
447652.90	3764439.70	23.18310	(12080823)	447692.92	
3764439.51	22.99837	(15092424)			
447713.82	3764439.11	22.77098	(15092424)	447731.95	
3764438.72	22.75721	(13080424)			
447751.07	3764438.72	22.67334	(12092201)	447768.82	
3764437.53	22.85912	(12092201)			
447789.12	3764437.73	22.87347	(12092201)	447805.68	
3764437.34	22.97313	(16062702)			
447824.02	3764437.20	22.94512	(16062702)	447841.61	
3764437.87	22.63816	(16062702)			
447861.72	3764437.53	22.45466	(13072124)	447881.66	
3764435.18	22.42713	(13072124)			
447902.78	3764436.19	22.13157	(13072124)	447920.87	
3764435.35	21.78952	(13071901)			
447942.16	3764435.35	21.62289	(15101323)	447962.77	
3764434.85	21.69459	(15101323)			
447980.70	3764435.18	21.56959	(15101323)	448004.66	
3764435.18	21.14888	(14110620)			
448021.25	3764434.68	20.32476	(14110620)	447662.70	
3764379.63	25.18729	(12080823)			
447681.30	3764320.98	26.03634	(15092424)	447682.64	
3764285.79	25.85007	(13080424)			
447662.53	3764238.37	25.72743	(15092424)	447661.70	
3764207.37	25.46962	(12092201)			
447683.14	3764162.29	25.01777	(12092201)	447680.97	
3764145.87	24.74919	(12092201)			
447679.63	3764130.28	20.56388	(13090201)	447680.80	

3764112.02	20.13295	(13090201)		
447681.47	3764096.43	20.24864	(13090201)	447680.80
3764078.84	20.48215	(13090201)		
447679.96	3764064.26	20.86952	(13090201)	447680.97
3764045.82	21.41353	(14110318)		
447680.63	3764029.74	21.93284	(14110318)	447657.17
3763992.03	23.29747	(13090201)		
447656.33	3763967.06	24.38005	(15081422)	447657.17
3763928.69	26.35204	(15081422)		
447657.17	3763902.21	27.72510	(15081422)	447657.51
3763869.03	28.78112	(15081422)		
447656.16	3763834.94	30.42121	(15081422)	447655.93
3763808.27	32.20535	(13081601)		
447657.09	3763786.00	33.88360	(12101620)	447701.21
3763782.14	32.69275	(15080604)		
447856.92	3763749.71	23.72848	(16102920)	447854.99
3763730.13	24.55707	(15082922)		
447854.35	3763698.35	25.70271	(13082723)	447855.31
3763676.84	26.24737	(15061923)		
447675.51	3763287.46	49.81130	(12081324)	448481.33
3763485.29	10.80127	(15082923)		
448479.95	3763195.53	10.93730	(14082722)	448478.56
3762907.16	10.17348	(12092023)		
448497.89	3762714.10	9.24886	(15082624)	448507.91
3762487.71	8.30198	(12080622)		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 245

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2CON ***

INCLUDING SOURCE(S): L0000134 , L0000135 ,
L0000136 , L0000137 , L0000138 ,
L0000139 , L0000140 , L0000141 , L0000142 , L0000143 ,
L0000144 , L0000145 , L0000146 ,
L0000147 , L0000148 , L0000149 , L0000150 , L0000151 ,
L0000152 , L0000153 , L0000154 ,
L0000155 , L0000156 , L0000157 , L0000158 , L0000159 ,
L0000160 , L0000161 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	7.67770	(12102620)	448462.73	
3762339.82	7.74147	(13042022)			
448464.47	3762265.93	7.35247	(13042022)	448461.57	
3762165.17	6.99320	(13110118)			
448472.57	3762064.71	6.50493	(16082922)	448460.48	
3762016.72	6.38216	(16082922)			
448234.63	3761951.18	7.57241	(12121716)	448081.42	
3761952.78	7.97585	(12121716)			
448025.53	3761955.99	7.36072	(15100722)	447506.75	
3761967.63	8.28000	(13050222)			
447269.29	3761967.74	8.33534	(15101301)	447389.46	
3761908.79	7.86758	(16100624)			
447019.14	3761964.34	7.89216	(14050301)	447060.33	

3761963.58	8.03058	(14090704)		
446975.31	3761963.20	7.87379	(16091922)	446940.92
3761953.76	7.74163	(16091922)		
446865.72	3761974.54	7.78489	(15090901)	446795.06
3761957.91	7.43820	(13083002)		
446757.65	3761965.85	7.32779	(13083002)	446709.33
3761967.74	7.22968	(16061824)		
446796.42	3762028.62	7.83748	(13083002)	446796.97
3762045.28	7.92590	(13083002)		
446796.70	3762089.51	8.21608	(16061824)	446796.15
3762105.89	8.34583	(16061824)		
446796.70	3762137.29	8.58617	(16061824)	446796.15
3762153.39	8.70013	(16061824)		
446772.40	3762215.37	9.09895	(12100123)	446795.06
3762321.03	10.06874	(12082901)		
446796.42	3762450.98	11.37578	(12091505)	446796.42
3762471.18	11.57797	(12091505)		
446797.24	3762496.03	11.91113	(15021220)	446798.06
3762516.51	12.17393	(16102021)		
446797.79	3762539.98	12.47794	(16102021)	446797.52
3762560.19	12.69957	(16102021)		
446798.61	3762584.76	12.96173	(13100623)	446798.06
3762604.42	13.24380	(15092006)		
446799.70	3762654.11	14.02221	(12091503)	446799.97
3762674.58	14.34042	(12091503)		
446800.25	3762700.25	14.66913	(15090922)	446800.25
3762721.27	14.99087	(16092702)		
446799.97	3762735.74	15.16374	(16092702)	446797.79
3762748.02	15.33757	(15090904)		
446802.16	3762913.47	17.92787	(15100921)	446802.16
3762932.58	18.26138	(15100921)		
446802.43	3762949.24	18.46428	(15100921)	446802.98
3762967.26	18.58935	(15100921)		
446802.70	3762986.09	18.63960	(14080302)	446802.16
3763003.29	18.76097	(15101023)		
446802.16	3763021.86	19.04058	(15101023)	446802.70
3763040.70	19.21481	(15101023)		
446802.98	3763059.26	19.39173	(15100919)	446803.52
3763077.01	19.54931	(15100919)		
446756.29	3763085.26	18.24194	(14100401)	446807.68
3763646.39	19.17186	(13092722)		
446808.32	3763674.66	18.83730	(13092722)	446807.68
3763694.57	18.68386	(13092602)		
446808.32	3763710.63	18.55237	(13092602)	446808.32
3763726.37	18.31744	(13092602)		
446808.00	3763742.11	17.99557	(13092602)	446808.32
3763756.89	17.99638	(14091521)		
446808.64	3763798.32	17.72367	(15090824)	446810.25
3764484.08	18.72735	(15082523)		
446781.34	3764475.08	18.65418	(15082523)	446722.56
3764455.81	17.82803	(15061924)		
446170.32	3764559.79	13.24037	(15082702)	446872.29
3763190.26	23.14286	(14051523)		
446925.22	3763179.19	25.40641	(14051602)	446984.86
3763194.88	28.94482	(14051523)		
447010.56	3763193.28	30.94596	(15100919)	447036.58
3763193.60	33.13233	(15100919)		
447053.61	3763193.28	34.69262	(15100919)	447076.42
3763192.31	37.18373	(14051523)		
447093.45	3763192.63	39.48683	(14051523)	447122.05
3763192.63	44.13574	(14051523)		
447138.75	3763192.31	47.49295	(14051523)	447167.99
3763192.31	55.00841	(14051523)		
447170.68	3763172.18	52.88759	(14051523)	447170.41
3763158.25	51.45102	(15100919)		
447169.31	3763144.87	50.55748	(15090904)	447147.46

PAGE 246

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2CON ***

INCLUDING SOURCE(S): L0000134 , L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 , L0000142 , L0000143 , L0000144 , L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

Table with 7 columns: X-COORD (M), Y-COORD (M), CONC, (YYMMDDHH), X-COORD (M), Y-COORD (M). The table lists discrete Cartesian receptor points with their coordinates, concentration values, and timestamps.

3762713.09	22.37519	(15101301)		
447327.36	3762679.87	21.01213	(15101301)	447327.74
3762657.02	20.17865	(15101301)		
447327.28	3762636.82	19.47691	(15101301)	447327.51
3762612.90	18.69483	(15101301)		
447327.28	3762592.24	18.07375	(15101301)	447327.04
3762569.71	17.43538	(15101301)		
447327.28	3762547.89	16.85435	(15101301)	447326.58
3762524.67	16.26820	(15101301)		
447326.58	3762506.09	15.82434	(15101301)	447327.51
3762477.53	15.16828	(15101301)		
447325.88	3762454.31	14.66727	(15101301)	447225.58
3762432.95	13.86555	(15090923)		
447200.27	3762430.63	13.75756	(15090923)	447156.85
3762430.16	13.56806	(14090704)		
447131.77	3762430.86	13.44419	(16091922)	447102.74
3762430.63	13.35936	(16091922)		
447079.06	3762430.86	13.24897	(15090901)	447034.94
3762433.65	13.05855	(15090901)		
446995.47	3762433.65	12.72008	(13083002)	446972.71
3762434.34	12.50237	(13083002)		
446941.37	3762434.58	12.32194	(16061824)	446916.06
3762436.90	12.17978	(12100123)		
446876.35	3762436.90	11.89904	(12082901)	446848.85
3762647.05	14.46809	(13100623)		
446848.85	3762563.17	13.26750	(15021220)	446849.17
3762509.82	12.54445	(12091505)		
446849.17	3762455.82	11.80958	(12091405)	446848.85
3762702.00	15.44213	(12091503)		
446849.49	3762754.71	16.31781	(16092702)	446739.81
3762428.53	10.70508	(15021220)		
446711.81	3762423.61	10.47906	(16102021)	446687.25
3762416.25	10.21448	(16102021)		
446662.20	3762412.32	9.96128	(13100623)	446636.17
3762403.97	9.74207	(15092006)		
449981.72	3762732.45	3.54017	(15091023)	446486.82
3762231.95	7.81355	(15092006)		
446261.97	3762068.01	6.26988	(12091503)	446443.15
3762291.63	7.96614	(12091503)		
446071.80	3762055.49	5.61505	(15090904)	446072.08
3761983.13	5.40624	(16092702)		
446138.18	3762002.17	5.67178	(15090922)	445884.94
3762039.75	5.00680	(16111022)		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 247

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2H25 ***

INCLUDING SOURCE(S): L0002075 , L0002076 ,
L0002077 , L0002078 , L0002079 ,
L0002080 , L0002081 , L0002082 , L0002083 , L0002084 ,
L0002085 , L0002086 , L0002087 ,
L0002088 , L0002089 , L0002090 , L0002091 , L0002092 ,
L0002093 , L0002094 , L0002095 ,
L0002096 , L0002097 , L0002098 , L0002099 , L0002100 ,
L0002101 , L0002102 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	5.48039	(12081704)	447375.98	
3764150.98	5.41404	(15062905)			
447389.75	3764043.04	5.09397	(13081603)	447450.16	
3764031.05	5.28107	(15062905)			
447410.18	3764019.05	5.10641	(13081603)	446891.90	
3764451.22	3.97643	(16072901)			
446959.28	3764451.22	4.15133	(16092001)	446995.28	
3764468.13	4.29845	(15090724)			
447007.41	3764467.30	4.35170	(15090724)	447023.51	
3764466.09	4.40044	(15090724)			
447036.59	3764466.21	4.43693	(15090724)	447052.68	
3764465.61	4.49052	(15090724)			
447066.60	3764465.73	4.54043	(15090724)	447099.65	
3764456.17	4.63327	(15090724)			
447145.28	3764468.27	4.76717	(15062905)	447175.54	
3764468.03	4.80836	(15062905)			
447205.32	3764468.27	4.86045	(12081704)	447232.43	
3764467.55	5.06697	(12081704)			
447264.02	3764467.30	5.38575	(12081704)	447294.77	
3764466.94	5.56387	(12081704)			
447364.97	3764456.41	5.78301	(12092221)	447406.61	
3764460.65	5.98374	(14081603)			
447441.47	3764460.04	6.21592	(14081603)	447466.88	
3764460.20	6.35180	(14081603)			
447490.00	3764460.56	6.43048	(14081603)	447515.50	
3764460.40	6.51520	(12083005)			
447573.06	3764454.29	6.61496	(12083005)	447598.49	
3764445.22	6.85806	(13070222)			
447652.90	3764439.70	7.62258	(13070222)	447692.92	
3764439.51	7.93997	(13070222)			
447713.82	3764439.11	8.16154	(15092601)	447731.95	
3764438.72	8.37647	(15092601)			
447751.07	3764438.72	8.57050	(15092601)	447768.82	
3764437.53	8.78422	(15092601)			
447789.12	3764437.73	9.04976	(14083005)	447805.68	
3764437.34	9.25509	(15092502)			
447824.02	3764437.20	9.53561	(15092502)	447841.61	
3764437.87	9.77966	(15092502)			
447861.72	3764437.53	10.03846	(15092502)	447881.66	
3764435.18	10.31097	(12080901)			
447902.78	3764436.19	10.65742	(12080901)	447920.87	
3764435.35	10.93812	(12080901)			
447942.16	3764435.35	11.24141	(12080901)	447962.77	
3764434.85	11.59282	(16072603)			
447980.70	3764435.18	11.92306	(16072603)	448004.66	
3764435.18	12.33260	(12081001)			
448021.25	3764434.68	12.30921	(12081001)	447662.70	
3764379.63	7.82259	(13070222)			
447681.30	3764320.98	7.96887	(13070222)	447682.64	
3764285.79	7.80571	(13070222)			
447662.53	3764238.37	7.43811	(12083005)	447661.70	
3764207.37	7.25019	(12083005)			
447683.14	3764162.29	7.06724	(12083005)	447680.97	
3764145.87	6.91378	(12083005)			
447679.63	3764130.28	6.74921	(12083005)	447680.80	
3764112.02	6.64550	(12083005)			
447681.47	3764096.43	6.56674	(12083005)	447680.80	
3764078.84	6.53377	(12083005)			
447679.96	3764064.26	6.55917	(12083005)	447680.97	
3764045.82	6.63222	(12083005)			
447680.63	3764029.74	6.66713	(12083005)	447657.17	

3763992.03	6.45805	(14081603)		
447656.33	3763967.06	6.52289	(14081603)	447657.17
3763928.69	6.61430	(12092221)		
447657.17	3763902.21	6.67167	(12092221)	447657.51
3763869.03	6.61157	(12092221)		
447656.16	3763834.94	6.63378	(12092221)	447655.93
3763808.27	6.70212	(12081704)		
447657.09	3763786.00	6.76638	(12081704)	447701.21
3763782.14	7.13861	(12081704)		
447856.92	3763749.71	7.96096	(12083005)	447854.99
3763730.13	7.83596	(12083005)		
447854.35	3763698.35	7.69932	(12083005)	447855.31
3763676.84	7.62569	(12083005)		
447675.51	3763287.46	4.09112	(12101421)	448481.33
3763485.29	67.40223	(12121716)		
448479.95	3763195.53	62.38841	(12121716)	448478.56
3762907.16	58.07829	(12121716)		
448497.89	3762714.10	39.67636	(12121716)	448507.91
3762487.71	33.34804	(12121716)		

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 248

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 2H25 ***

INCLUDING SOURCE(S): L0002075 , L0002076 ,
L0002077 , L0002078 , L0002079 ,
L0002080 , L0002081 , L0002082 , L0002083 , L0002084 ,
L0002085 , L0002086 , L0002087 ,
L0002088 , L0002089 , L0002090 , L0002091 , L0002092 ,
L0002093 , L0002094 , L0002095 ,
L0002096 , L0002097 , L0002098 , L0002099 , L0002100 ,
L0002101 , L0002102 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	46.92998	(12121716)	448462.73	
3762339.82	35.84683	(12121716)			
448464.47	3762265.93	22.49511	(14113016)	448461.57	
3762165.17	15.10724	(15112121)			
448472.57	3762064.71	11.81828	(15112121)	448460.48	
3762016.72	10.92760	(15112121)			
448234.63	3761951.18	8.34647	(15092103)	448081.42	
3761952.78	6.51072	(16091922)			
448025.53	3761955.99	5.96654	(15090901)	447506.75	
3761967.63	3.18987	(15092023)			
447269.29	3761967.74	2.63049	(15090902)	447389.46	
3761908.79	2.88338	(15090902)			
447019.14	3761964.34	2.24655	(12091503)	447060.33	
3761963.58	2.29882	(12091503)			
446975.31	3761963.20	2.19267	(12091503)	446940.92	
3761953.76	2.15160	(12091503)			
446865.72	3761974.54	2.06793	(12091503)	446795.06	
3761957.91	1.99514	(15090904)			
446757.65	3761965.85	1.96088	(15090904)	446709.33	

3761967.74	1.91761	(15090904)		
446796.42	3762028.62	1.99875	(15090904)	446796.97
3762045.28	1.99981	(15090904)		
446796.70	3762089.51	2.00407	(15090904)	446796.15
3762105.89	2.00373	(15090904)		
446796.70	3762137.29	2.00451	(15090904)	446796.15
3762153.39	2.00401	(15090904)		
446772.40	3762215.37	1.98223	(15090904)	446795.06
3762321.03	2.00361	(15090904)		
446796.42	3762450.98	2.00427	(15090904)	446796.42
3762471.18	2.00380	(15090904)		
446797.24	3762496.03	2.00571	(15090903)	446798.06
3762516.51	2.00878	(15090903)		
446797.79	3762539.98	2.01044	(15090903)	446797.52
3762560.19	2.01149	(15090903)		
446798.61	3762584.76	2.01410	(15090903)	446798.06
3762604.42	2.01530	(15090903)		
446799.70	3762654.11	2.02119	(15090903)	446799.97
3762674.58	2.02333	(15101221)		
446800.25	3762700.25	2.02607	(15101221)	446800.25
3762721.27	2.02696	(15101221)		
446799.97	3762735.74	2.02692	(15101221)	446797.79
3762748.02	2.02472	(15101221)		
446802.16	3762913.47	2.02432	(15101221)	446802.16
3762932.58	2.02405	(15100919)		
446802.43	3762949.24	2.02515	(15100919)	446802.98
3762967.26	2.02656	(15100919)		
446802.70	3762986.09	2.02741	(15100919)	446802.16
3763003.29	2.02818	(15100919)		
446802.16	3763021.86	2.02958	(15100919)	446802.70
3763040.70	2.03157	(15100919)		
446802.98	3763059.26	2.03319	(15100919)	446803.52
3763077.01	2.03477	(15100919)		
446756.29	3763085.26	1.98441	(15100919)	446807.68
3763646.39	2.78107	(16092723)		
446808.32	3763674.66	2.80325	(14091421)	446807.68
3763694.57	2.84071	(14091421)		
446808.32	3763710.63	2.84909	(14091421)	446808.32
3763726.37	2.86836	(14091421)		
446808.00	3763742.11	2.86133	(14091421)	446808.32
3763756.89	2.85411	(14091421)		
446808.64	3763798.32	2.90188	(14091421)	446810.25
3764484.08	3.84122	(16072901)		
446781.34	3764475.08	3.77832	(16072901)	446722.56
3764455.81	3.62668	(14091702)		
446170.32	3764559.79	2.86909	(12091002)	446872.29
3763190.26	2.10994	(15100919)		
446925.22	3763179.19	2.17124	(15100919)	446984.86
3763194.88	2.24853	(15100919)		
447010.56	3763193.28	2.28097	(15100919)	447036.58
3763193.60	2.31662	(15100919)		
447053.61	3763193.28	2.34316	(15101221)	447076.42
3763192.31	2.37911	(15101221)		
447093.45	3763192.63	2.40612	(15101221)	447122.05
3763192.63	2.45617	(15101221)		
447138.75	3763192.31	2.48469	(15101221)	447167.99
3763192.31	2.53721	(15101221)		
447170.68	3763172.18	2.54340	(15101221)	447170.41
3763158.25	2.54404	(15101221)		
447169.31	3763144.87	2.54221	(15101221)	447147.46
3763107.45	2.50229	(15101221)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich

Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 2H25 ***
 INCLUDING SOURCE(S): L0002075 , L0002076 ,
 L0002077 , L0002078 , L0002079 ,
 L0002080 , L0002081 , L0002082 , L0002083 , L0002084 ,
 L0002085 , L0002086 , L0002087 ,
 L0002088 , L0002089 , L0002090 , L0002091 , L0002092 ,
 L0002093 , L0002094 , L0002095 ,
 L0002096 , L0002097 , L0002098 , L0002099 , L0002100 ,
 L0002101 , L0002102 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	2.50162	(15101221)	447146.92	
3763064.30	2.50368	(15101221)			
447149.92	3763038.90	2.50934	(15101221)	447148.56	
3763019.78	2.50816	(15101221)			
447148.56	3762997.39	2.50839	(15101221)	447206.08	
3762958.49	2.60294	(15101221)			
447209.33	3762922.51	2.60309	(15101221)	447208.40	
3762890.70	2.59748	(15101221)			
447145.83	3762888.87	2.49155	(15101221)	447122.55	
3762889.07	2.45438	(15101221)			
447094.33	3762890.05	2.41084	(15101221)	447071.04	
3762890.45	2.37599	(15101221)			
447043.61	3762889.66	2.33597	(15101221)	447017.76	
3762888.87	2.29938	(15101221)			
446992.11	3762889.07	2.26416	(15101221)	446964.28	
3762888.28	2.22688	(15101221)			
446940.41	3762888.47	2.19542	(15101221)	446911.20	
3762888.08	2.15754	(15101221)			
446885.35	3762889.66	2.12551	(15101221)	446862.07	
3762888.87	2.09721	(15101221)			
446871.45	3762779.57	2.10802	(15101221)	446926.31	
3762768.72	2.17313	(15101221)			
446983.74	3762774.24	2.24586	(15101221)	447009.00	
3762774.05	2.27892	(15101221)			
447030.51	3762774.44	2.30683	(15101221)	447055.37	
3762774.05	2.34060	(15101221)			
447076.88	3762774.24	2.37194	(15090904)	447101.16	
3762774.44	2.41229	(15090904)			
447123.85	3762774.05	2.44969	(15090904)	447148.12	
3762775.03	2.49106	(15090904)			
447170.23	3762774.84	2.52942	(15090904)	447196.78	
3762775.48	2.57576	(15090904)			
447242.12	3762776.57	2.65853	(15090904)	447262.33	
3762776.03	2.69802	(13082904)			
447294.56	3762776.30	2.76645	(13082904)	447313.13	
3762775.48	2.80739	(13082904)			
447313.40	3762749.53	2.80715	(13090706)	447327.86	
3762713.09	2.84169	(13090706)			
447327.36	3762679.87	2.83658	(13090706)	447327.74	
3762657.02	2.83534	(13090706)			
447327.28	3762636.82	2.83172	(13090706)	447327.51	
3762612.90	2.82825	(13090706)			
447327.28	3762592.24	2.82514	(13090706)	447327.04	

3762569.71	2.82149	(13090706)		
447327.28	3762547.89	2.81877	(13090706)	447326.58
3762524.67	2.81356	(13090706)		
447326.58	3762506.09	2.81040	(13090706)	447327.51
3762477.53	2.80601	(13090706)		
447325.88	3762454.31	2.79741	(13090706)	447225.58
3762432.95	2.59707	(12091503)		
447200.27	3762430.63	2.55132	(12091503)	447156.85
3762430.16	2.47491	(12091503)		
447131.77	3762430.86	2.43260	(12091503)	447102.74
3762430.63	2.38670	(15090904)		
447079.06	3762430.86	2.35198	(15090904)	447034.94
3762433.65	2.29192	(15090904)		
446995.47	3762433.65	2.24048	(15090904)	446972.71
3762434.34	2.21201	(15090904)		
446941.37	3762434.58	2.17453	(15090904)	446916.06
3762436.90	2.14473	(15090904)		
446876.35	3762436.90	2.09723	(15090904)	446848.85
3762647.05	2.07277	(15101221)		
446848.85	3762563.17	2.06443	(14091405)	446849.17
3762509.82	2.06548	(15090904)		
446849.17	3762455.82	2.06571	(15090904)	446848.85
3762702.00	2.07921	(15101221)		
446849.49	3762754.71	2.08237	(15101221)	446739.81
3762428.53	1.94343	(15090903)		
446711.81	3762423.61	1.91833	(15090903)	446687.25
3762416.25	1.89646	(15090903)		
446662.20	3762412.32	1.87534	(15090903)	446636.17
3762403.97	1.85380	(15090903)		
449981.72	3762732.45	2.10699	(15101302)	446486.82
3762231.95	1.73363	(15090903)		
446261.97	3762068.01	1.58512	(15100921)	446443.15
3762291.63	1.70532	(15090903)		
446071.80	3762055.49	1.47890	(15100921)	446072.08
3761983.13	1.47937	(15100921)		
446138.18	3762002.17	1.51575	(15100921)	445884.94
3762039.75	1.38613	(15100921)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 250

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 2MC45 ***
INCLUDING SOURCE(S): L0002266 , L0002267 ,
L0002268 , L0002269 , L0002270 ,
L0002271 , L0002272 , L0002273 , L0002274 , L0002275 ,
L0002276 , L0002277 , L0002278 ,
L0002279 , L0002280 , L0002281 , L0002282 , L0002283 ,
L0002284 , L0002285 , L0002286 ,
L0002287 , L0002288 , L0002289 , L0002290 , L0002291 ,
L0002292 , L0002293 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	19.71638	(12081106)	447375.98	

3764150.98	21.32006	(12083006)		
447389.75	3764043.04	22.00384	(12083006)	447450.16
3764031.05	22.12876	(16062805)		
447410.18	3764019.05	22.05043	(14072401)	446891.90
3764451.22	16.62520	(12080704)		
446959.28	3764451.22	16.85481	(16072603)	446995.28
3764468.13	16.92638	(15062904)		
447007.41	3764467.30	17.12999	(12081001)	447023.51
3764466.09	17.32328	(12081001)		
447036.59	3764466.21	17.37935	(12081001)	447052.68
3764465.61	17.38983	(12081001)		
447066.60	3764465.73	17.47982	(12081604)	447099.65
3764456.17	17.53684	(16082102)		
447145.28	3764468.27	17.66150	(16062701)	447175.54
3764468.03	17.48685	(12071001)		
447205.32	3764468.27	17.31639	(14040923)	447232.43
3764467.55	17.85181	(12092102)		
447264.02	3764467.30	18.53679	(12092102)	447294.77
3764466.94	18.67555	(12051402)		
447364.97	3764456.41	18.91396	(12081106)	447406.61
3764460.65	18.71006	(15062301)		
447441.47	3764460.04	18.87087	(13090206)	447466.88
3764460.20	19.13917	(13090206)		
447490.00	3764460.56	18.93056	(13090206)	447515.50
3764460.40	18.76448	(15083004)		
447573.06	3764454.29	18.35528	(12082822)	447598.49
3764445.22	18.80206	(12082822)		
447652.90	3764439.70	19.27668	(12102719)	447692.92
3764439.51	19.39904	(12080905)		
447713.82	3764439.11	19.33848	(12080905)	447731.95
3764438.72	19.10469	(12080905)		
447751.07	3764438.72	19.25483	(15092701)	447768.82
3764437.53	19.35733	(15092701)		
447789.12	3764437.73	19.52416	(12080824)	447805.68
3764437.34	19.52662	(12080824)		
447824.02	3764437.20	19.33660	(12090802)	447841.61
3764437.87	19.22800	(12090802)		
447861.72	3764437.53	19.06674	(16102922)	447881.66
3764435.18	19.28328	(16102922)		
447902.78	3764436.19	19.21691	(16102922)	447920.87
3764435.35	18.96413	(16102922)		
447942.16	3764435.35	18.67003	(13082502)	447962.77
3764434.85	18.68274	(13082502)		
447980.70	3764435.18	18.60566	(14070405)	448004.66
3764435.18	18.50445	(16072903)		
448021.25	3764434.68	18.25578	(16072903)	447662.70
3764379.63	20.24942	(12080905)		
447681.30	3764320.98	21.36883	(12080905)	447682.64
3764285.79	21.32530	(12080905)		
447662.53	3764238.37	21.09964	(12080905)	447661.70
3764207.37	20.99975	(12080905)		
447683.14	3764162.29	21.01761	(12080905)	447680.97
3764145.87	20.93717	(12080905)		
447679.63	3764130.28	20.81636	(12080905)	447680.80
3764112.02	20.75111	(14082624)		
447681.47	3764096.43	20.83271	(14082624)	447680.80
3764078.84	21.03288	(14082624)		
447679.96	3764064.26	21.31936	(14082624)	447680.97
3764045.82	21.72461	(14082624)		
447680.63	3764029.74	22.11740	(14082624)	447657.17
3763992.03	22.63692	(14082624)		
447656.33	3763967.06	23.34874	(14082624)	447657.17
3763928.69	24.37491	(14082624)		
447657.17	3763902.21	25.12478	(14082624)	447657.51
3763869.03	25.73374	(14082624)		
447656.16	3763834.94	26.77149	(14082624)	447655.93

3763808.27	27.76642	(14082624)		
447657.09	3763786.00	28.63524	(14082624)	447701.21
3763782.14	28.59871	(12080824)		
447856.92	3763749.71	26.38975	(16072903)	447854.99
3763730.13	26.71650	(16072903)		
447854.35	3763698.35	27.24937	(16102718)	447855.31
3763676.84	27.59878	(16102718)		
447675.51	3763287.46	40.55047	(13082522)	448481.33
3763485.29	21.27274	(15031802)		
448479.95	3763195.53	19.93414	(13063024)	448478.56
3762907.16	15.11302	(16072623)		
448497.89	3762714.10	14.31084	(15082923)	448507.91
3762487.71	14.35319	(14082722)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 251

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 2MC45 ***
 INCLUDING SOURCE(S): L0002266 , L0002267 ,
 L0002268 , L0002269 , L0002270 ,
 L0002271 , L0002272 , L0002273 , L0002274 , L0002275 ,
 L0002276 , L0002277 , L0002278 ,
 L0002279 , L0002280 , L0002281 , L0002282 , L0002283 ,
 L0002284 , L0002285 , L0002286 ,
 L0002287 , L0002288 , L0002289 , L0002290 , L0002291 ,
 L0002292 , L0002293 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	14.51917	(15091023)	448462.73	
3762339.82	14.66386	(15101802)			
448464.47	3762265.93	14.50441	(12092023)	448461.57	
3762165.17	13.87608	(16110320)			
448472.57	3762064.71	13.02135	(15082623)	448460.48	
3762016.72	12.77076	(15082623)			
448234.63	3761951.18	15.79417	(13042022)	448081.42	
3761952.78	19.14347	(12071323)			
448025.53	3761955.99	26.85937	(12121716)	447506.75	
3761967.63	27.73652	(15092103)			
447269.29	3761967.74	21.89774	(12100123)	447389.46	
3761908.79	22.62503	(16091922)			
447019.14	3761964.34	16.06963	(15090922)	447060.33	
3761963.58	16.86215	(12091503)			
446975.31	3761963.20	15.24233	(15090904)	446940.92	
3761953.76	14.65617	(15090904)			
446865.72	3761974.54	13.54804	(14091405)	446795.06	
3761957.91	12.48169	(14051524)			
446757.65	3761965.85	12.20035	(15090903)	446709.33	
3761967.74	11.74577	(15100921)			
446796.42	3762028.62	13.35981	(15100921)	446796.97	
3762045.28	13.52865	(15100921)			
446796.70	3762089.51	13.68342	(15100921)	446796.15	
3762105.89	13.74507	(14080302)			
446796.70	3762137.29	13.90559	(15101023)	446796.15	

3762153.39	14.07752	(15101023)		
446772.40	3762215.37	13.97031	(15031424)	446795.06
3762321.03	15.00518	(12020618)		
446796.42	3762450.98	15.83559	(14120121)	446796.42
3762471.18	16.09332	(14011518)		
446797.24	3762496.03	16.33283	(14011518)	446798.06
3762516.51	16.44933	(16021518)		
446797.79	3762539.98	16.49003	(16021518)	446797.52
3762560.19	16.34069	(16021518)		
446798.61	3762584.76	16.13977	(15031521)	446798.06
3762604.42	16.06140	(16041722)		
446799.70	3762654.11	16.57034	(15090905)	446799.97
3762674.58	16.62366	(15090905)		
446800.25	3762700.25	16.43483	(15090905)	446800.25
3762721.27	16.27985	(15032622)		
446799.97	3762735.74	16.33860	(15032622)	446797.79
3762748.02	16.27407	(15032622)		
446802.16	3762913.47	15.37695	(16112103)	446802.16
3762932.58	15.30544	(15120517)		
446802.43	3762949.24	15.33087	(15120517)	446802.98
3762967.26	15.25204	(15120517)		
446802.70	3762986.09	15.03190	(15120517)	446802.16
3763003.29	14.73817	(14051202)		
446802.16	3763021.86	14.89951	(13092722)	446802.70
3763040.70	15.08151	(16110920)		
446802.98	3763059.26	15.42060	(16110920)	446803.52
3763077.01	15.63053	(16110920)		
446756.29	3763085.26	13.32340	(13092722)	446807.68
3763646.39	20.35835	(12092221)		
446808.32	3763674.66	20.29105	(12092221)	446807.68
3763694.57	20.18159	(12092221)		
446808.32	3763710.63	19.96482	(13082922)	446808.32
3763726.37	19.96844	(13082922)		
446808.00	3763742.11	19.85759	(13082922)	446808.32
3763756.89	19.73138	(13082922)		
446808.64	3763798.32	19.45866	(13082922)	446810.25
3764484.08	15.93493	(15092502)		
446781.34	3764475.08	15.77802	(15092502)	446722.56
3764455.81	15.63144	(13090423)		
446170.32	3764559.79	12.73707	(12081302)	446872.29
3763190.26	22.58752	(14091620)		
446925.22	3763179.19	24.76766	(14091620)	446984.86
3763194.88	24.83701	(16110621)		
447010.56	3763193.28	26.73801	(16110621)	447036.58
3763193.60	27.81877	(15120720)		
447053.61	3763193.28	28.55746	(15120720)	447076.42
3763192.31	29.69993	(12081402)		
447093.45	3763192.63	31.41758	(12081402)	447122.05
3763192.63	31.63806	(16092823)		
447138.75	3763192.31	32.14763	(16092823)	447167.99
3763192.31	32.29667	(15062722)		
447170.68	3763172.18	32.86367	(15062722)	447170.41
3763158.25	32.93358	(15062722)		
447169.31	3763144.87	33.41452	(16092823)	447147.46
3763107.45	34.85085	(12081402)		

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 252

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2MC45 ***

INCLUDING SOURCE(S): L0002266 , L0002267 ,

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L0002268 , L0002269 , L0002270 ,
L0002271 , L0002272 , L0002273 , L0002274 , L0002275 ,
L0002276 , L0002277 , L0002278 ,
L0002279 , L0002280 , L0002281 , L0002282 , L0002283 ,
L0002284 , L0002285 , L0002286 ,
L0002287 , L0002288 , L0002289 , L0002290 , L0002291 ,
L0002292 , L0002293 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	34.97392	(15120720)	447146.92	
3763064.30	34.74623	(16110621)			
447149.92	3763038.90	33.20083	(16110621)	447148.56	
3763019.78	33.05138	(14100721)			
447148.56	3762997.39	31.88758	(14091620)	447206.08	
3762958.49	33.54150	(14100721)			
447209.33	3762922.51	33.77302	(15101223)	447208.40	
3762890.70	33.79501	(14091521)			
447145.83	3762888.87	28.89546	(13092602)	447122.55	
3762889.07	27.43214	(16110920)			
447094.33	3762890.05	25.81171	(16110920)	447071.04	
3762890.45	24.66438	(13092722)			
447043.61	3762889.66	23.43881	(13092722)	447017.76	
3762888.87	22.27283	(13092722)			
446992.11	3762889.07	21.35603	(15120517)	446964.28	
3762888.28	20.45349	(15120517)			
446940.41	3762888.47	19.56950	(15120517)	446911.20	
3762888.08	18.32845	(15120517)			
446885.35	3762889.66	17.52599	(16112103)	446862.07	
3762888.87	16.93864	(12020622)			
446871.45	3762779.57	17.85322	(12101719)	446926.31	
3762768.72	19.57575	(12101719)			
446983.74	3762774.24	21.69658	(12101719)	447009.00	
3762774.05	22.69896	(12101719)			
447030.51	3762774.44	23.59383	(12101719)	447055.37	
3762774.05	24.68752	(12101719)			
447076.88	3762774.24	25.76249	(12020622)	447101.16	
3762774.44	27.17636	(12020622)			
447123.85	3762774.05	28.57978	(12020622)	447148.12	
3762775.03	30.15130	(12020622)			
447170.23	3762774.84	31.68001	(12020622)	447196.78	
3762775.48	33.76202	(15120517)			
447242.12	3762776.57	38.33195	(15120517)	447262.33	
3762776.03	40.59059	(15120517)			
447294.56	3762776.30	44.65143	(13092722)	447313.13	
3762775.48	47.55152	(13092722)			
447313.40	3762749.53	47.82586	(15120517)	447327.86	
3762713.09	49.93284	(12020622)			
447327.36	3762679.87	50.04936	(13112618)	447327.74	
3762657.02	50.16969	(15090905)			
447327.28	3762636.82	50.08210	(15090905)	447327.51	
3762612.90	49.56416	(15090905)			
447327.28	3762592.24	49.11559	(16021518)	447327.04	
3762569.71	48.70289	(16021518)			
447327.28	3762547.89	47.96382	(16021518)	447326.58	
3762524.67	47.38366	(14051523)			
447326.58	3762506.09	46.71503	(14051523)	447327.51	
3762477.53	46.20623	(15100919)			
447325.88	3762454.31	45.46836	(15100919)	447225.58	

3762432.95	34.13154	(14100401)		
447200.27	3762430.63	32.12709	(14100401)	447156.85
3762430.16	29.01520	(14100401)		
447131.77	3762430.86	27.53949	(14051602)	447102.74
3762430.63	26.02717	(14051602)		
447079.06	3762430.86	24.86099	(14051602)	447034.94
3762433.65	22.94799	(14051523)		
446995.47	3762433.65	21.53513	(14051523)	446972.71
3762434.34	20.78209	(14051523)		
446941.37	3762434.58	19.78923	(14051523)	446916.06
3762436.90	19.03568	(14051523)		
446876.35	3762436.90	17.87464	(14051523)	446848.85
3762647.05	17.81678	(15090905)		
446848.85	3762563.17	17.65711	(16021518)	446849.17
3762509.82	17.66646	(14011518)		
446849.17	3762455.82	17.10864	(14120121)	446848.85
3762702.00	17.59158	(15090905)		
446849.49	3762754.71	17.52036	(15040323)	446739.81
3762428.53	14.52466	(14120121)		
446711.81	3762423.61	13.98443	(14120121)	446687.25
3762416.25	13.52251	(14051523)		
446662.20	3762412.32	13.08728	(14120121)	446636.17
3762403.97	12.66850	(14051523)		
449981.72	3762732.45	4.07956	(13010418)	446486.82
3762231.95	10.15123	(14051602)		
446261.97	3762068.01	7.91033	(15101024)	446443.15
3762291.63	9.96845	(13121117)		
446071.80	3762055.49	6.68946	(12020618)	446072.08
3761983.13	6.63197	(15101024)		
446138.18	3762002.17	7.02590	(15101024)	445884.94
3762039.75	5.78713	(14011319)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 253

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 2OR15 ***
INCLUDING SOURCE(S): L0001178 , L0001179 ,
L0001180 , L0001181 , L0001182 ,
L0001183 , L0001184 , L0001185 , L0001186 , L0001187 ,
L0001188 , L0001189 , L0001190 ,
L0001191 , L0001192 , L0001193 , L0001194 , L0001195 ,
L0001196 , L0001197 , L0001198 ,
L0001199 , L0001200 , L0001201 , L0001202 , L0001203 ,
L0001204 , L0001205 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	3.65778	(12090824)	447375.98	
3764150.98	3.87188	(15080404)			
447389.75	3764043.04	4.03289	(15081804)	447450.16	
3764031.05	4.08113	(14022021)			
447410.18	3764019.05	4.08062	(14022021)	446891.90	
3764451.22	3.08994	(12080823)			
446959.28	3764451.22	3.13751	(12080823)	446995.28	

3764468.13	3.15305	(14100622)		
447007.41	3764467.30	3.16773	(14100622)	447023.51
3764466.09	3.18015	(14100622)		
447036.59	3764466.21	3.18678	(14100622)	447052.68
3764465.61	3.19726	(16072205)		
447066.60	3764465.73	3.21525	(16072205)	447099.65
3764456.17	3.26676	(13090302)		
447145.28	3764468.27	3.29023	(13090302)	447175.54
3764468.03	3.28512	(13090302)		
447205.32	3764468.27	3.27645	(15080603)	447232.43
3764467.55	3.32475	(15080603)		
447264.02	3764467.30	3.40282	(15092823)	447294.77
3764466.94	3.44829	(15092823)		
447364.97	3764456.41	3.49635	(12083101)	447406.61
3764460.65	3.50229	(12083101)		
447441.47	3764460.04	3.53403	(13081801)	447466.88
3764460.20	3.55603	(13081801)		
447490.00	3764460.56	3.56074	(13081801)	447515.50
3764460.40	3.55208	(13081801)		
447573.06	3764454.29	3.55530	(15081804)	447598.49
3764445.22	3.60596	(15081804)		
447652.90	3764439.70	3.71844	(15092723)	447692.92
3764439.51	3.73931	(15092723)		
447713.82	3764439.11	3.74939	(14090106)	447731.95
3764438.72	3.76583	(14090106)		
447751.07	3764438.72	3.78117	(16082901)	447768.82
3764437.53	3.80405	(16082901)		
447789.12	3764437.73	3.82586	(16082901)	447805.68
3764437.34	3.83531	(16082901)		
447824.02	3764437.20	3.84198	(15120617)	447841.61
3764437.87	3.84939	(15120617)		
447861.72	3764437.53	3.86614	(14101803)	447881.66
3764435.18	3.88433	(14101803)		
447902.78	3764436.19	3.90567	(16082101)	447920.87
3764435.35	3.92463	(16082101)		
447942.16	3764435.35	3.93812	(16082101)	447962.77
3764434.85	3.94513	(16082101)		
447980.70	3764435.18	3.94443	(16082101)	448004.66
3764435.18	3.93297	(12111420)		
448021.25	3764434.68	3.90812	(12111420)	447662.70
3764379.63	3.85205	(15092723)		
447681.30	3764320.98	3.96767	(16082901)	447682.64
3764285.79	3.99055	(16082901)		
447662.53	3764238.37	4.00396	(16082901)	447661.70
3764207.37	4.00464	(16082901)		
447683.14	3764162.29	4.06501	(14101803)	447680.97
3764145.87	4.07090	(14101803)		
447679.63	3764130.28	4.07904	(13091501)	447680.80
3764112.02	4.09380	(12082104)		
447681.47	3764096.43	4.11627	(12082104)	447680.80
3764078.84	4.14724	(12082104)		
447679.96	3764064.26	4.18169	(12082104)	447680.97
3764045.82	4.22838	(12082104)		
447680.63	3764029.74	4.26962	(12082104)	447657.17
3763992.03	4.33641	(14091221)		
447656.33	3763967.06	4.41489	(14091221)	447657.17
3763928.69	4.54934	(12081401)		
447657.17	3763902.21	4.65238	(12081401)	447657.51
3763869.03	4.74331	(12081401)		
447656.16	3763834.94	4.86049	(12081401)	447655.93
3763808.27	4.95865	(12081401)		
447657.09	3763786.00	5.06595	(12081204)	447701.21
3763782.14	5.15377	(12081204)		
447856.92	3763749.71	5.10310	(12112923)	447854.99
3763730.13	5.16294	(12112923)		
447854.35	3763698.35	5.26205	(13071404)	447855.31

3763676.84	5.34270	(13071404)		
447675.51	3763287.46	6.81446	(12083003)	448481.33
3763485.29	6.58063	(14120817)		
448479.95	3763195.53	7.61314	(13070604)	448478.56
3762907.16	8.87170	(13090823)		
448497.89	3762714.10	7.88974	(15100920)	448507.91
3762487.71	6.49562	(12072002)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 254

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 2OR15 ***

INCLUDING SOURCE(S): L0001178 , L0001179 ,
L0001180 , L0001181 , L0001182 ,
L0001183 , L0001184 , L0001185 , L0001186 , L0001187 ,
L0001188 , L0001189 , L0001190 ,
L0001191 , L0001192 , L0001193 , L0001194 , L0001195 ,
L0001196 , L0001197 , L0001198 ,
L0001199 , L0001200 , L0001201 , L0001202 , L0001203 ,
L0001204 , L0001205 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	6.11780	(15081222)	448462.73	
3762339.82	6.07351	(12090422)			
448464.47	3762265.93	5.48693	(14081023)	448461.57	
3762165.17	4.66503	(12081622)			
448472.57	3762064.71	3.82830	(14082722)	448460.48	
3762016.72	3.64836	(15082521)			
448234.63	3761951.18	3.62275	(12092023)	448081.42	
3761952.78	4.10013	(14100221)			
448025.53	3761955.99	4.23106	(14100221)	447506.75	
3761967.63	5.11472	(14100221)			
447269.29	3761967.74	5.94832	(14100221)	447389.46	
3761908.79	5.20012	(12110518)			
447019.14	3761964.34	6.98077	(14100221)	447060.33	
3761963.58	6.76165	(14100221)			
446975.31	3761963.20	7.21048	(14100221)	446940.92	
3761953.76	7.30898	(14100221)			
446865.72	3761974.54	8.18257	(14100221)	446795.06	
3761957.91	8.55514	(14100221)			
446757.65	3761965.85	8.99136	(14100221)	446709.33	
3761967.74	9.48956	(14100221)			
446796.42	3762028.62	9.85697	(12081622)	446796.97	
3762045.28	10.15216	(12081622)			
446796.70	3762089.51	11.99117	(13090522)	446796.15	
3762105.89	12.27213	(12080822)			
446796.70	3762137.29	13.02811	(12080822)	446796.15	
3762153.39	13.41159	(12080822)			
446772.40	3762215.37	16.30417	(15080601)	446795.06	
3762321.03	25.99538	(12062806)			
446796.42	3762450.98	31.90877	(13090323)	446796.42	
3762471.18	25.96045	(13090323)			
446797.24	3762496.03	21.33949	(13090523)	446798.06	

3762516.51	18.69205	(13090523)		
446797.79	3762539.98	16.36356	(13063024)	446797.52
3762560.19	14.96297	(16082306)		
446798.61	3762584.76	13.91838	(12081104)	446798.06
3762604.42	13.18184	(12081104)		
446799.70	3762654.11	11.61166	(13090506)	446799.97
3762674.58	10.88859	(12070924)		
446800.25	3762700.25	11.81009	(13072204)	446800.25
3762721.27	11.29383	(13072204)		
446799.97	3762735.74	10.90858	(14091221)	446797.79
3762748.02	10.58914	(14091221)		
446802.16	3762913.47	7.47674	(14091221)	446802.16
3762932.58	7.23801	(14091221)		
446802.43	3762949.24	7.04120	(14091221)	446802.98
3762967.26	6.83950	(14091221)		
446802.70	3762986.09	6.62959	(15103019)	446802.16
3763003.29	6.54300	(15103019)		
446802.16	3763021.86	6.32951	(14110620)	446802.70
3763040.70	6.23245	(14110620)		
446802.98	3763059.26	6.13531	(15101323)	446803.52
3763077.01	6.03380	(15101323)		
446756.29	3763085.26	5.73284	(15101323)	446807.68
3763646.39	4.09861	(16062624)		
446808.32	3763674.66	4.03865	(16062624)	446807.68
3763694.57	4.00142	(16062624)		
446808.32	3763710.63	3.96723	(16062624)	446808.32
3763726.37	3.93375	(16062624)		
446808.00	3763742.11	3.89617	(16062624)	446808.32
3763756.89	3.86290	(16062624)		
446808.64	3763798.32	3.79600	(16062624)	446810.25
3764484.08	3.00315	(14070405)		
446781.34	3764475.08	2.99671	(16102922)	446722.56
3764455.81	2.98457	(16102922)		
446170.32	3764559.79	2.58083	(15083004)	446872.29
3763190.26	5.88513	(15101323)		
446925.22	3763179.19	6.13883	(14110620)	446984.86
3763194.88	6.17568	(15103019)		
447010.56	3763193.28	6.32274	(15103019)	447036.58
3763193.60	6.38226	(15103019)		
447053.61	3763193.28	6.43885	(14091221)	447076.42
3763192.31	6.54697	(14091221)		
447093.45	3763192.63	6.61914	(14091221)	447122.05
3763192.63	6.63943	(12080202)		
447138.75	3763192.31	6.65824	(12080202)	447167.99
3763192.31	6.65980	(12080202)		
447170.68	3763172.18	6.78990	(13072204)	447170.41
3763158.25	6.88648	(13072204)		
447169.31	3763144.87	7.00422	(13072204)	447147.46
3763107.45	7.36478	(13081424)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 255

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2OR15 ***

	INCLUDING SOURCE(S):	L0001178	,	L0001179	,				
	L0001180	,	L0001181	,	L0001182	,			
L0001183	,	L0001184	,	L0001185	,	L0001186	,	L0001187	,
L0001188	,	L0001189	,	L0001190	,				
L0001191	,	L0001192	,	L0001193	,	L0001194	,	L0001195	,
L0001196	,	L0001197	,	L0001198	,				
L0001199	,	L0001200	,	L0001201	,	L0001202	,	L0001203	,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF OTHER IN		**	
		MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	7.57995	(13081424)	447146.92	
3763064.30	7.72538	(13081424)			
447149.92	3763038.90	7.96349	(14070602)	447148.56	
3763019.78	8.14355	(14070602)			
447148.56	3762997.39	8.38976	(16083105)	447206.08	
3762958.49	8.83966	(14102523)			
447209.33	3762922.51	9.21982	(14102523)	447208.40	
3762890.70	9.63492	(12083003)			
447145.83	3762888.87	9.59859	(14102523)	447122.55	
3762889.07	9.54285	(16083105)			
447094.33	3762890.05	9.48576	(16083105)	447071.04	
3762890.45	9.39174	(16083105)			
447043.61	3762889.66	9.23924	(16083105)	447017.76	
3762888.87	9.08887	(14070602)			
446992.11	3762889.07	8.94264	(14070602)	446964.28	
3762888.28	8.79302	(13072204)			
446940.41	3762888.47	8.63354	(13072204)	446911.20	
3762888.08	8.52723	(14091221)			
446885.35	3762889.66	8.41555	(14091221)	446862.07	
3762888.87	8.30638	(14091221)			
446871.45	3762779.57	10.43720	(13072204)	446926.31	
3762768.72	11.27067	(16083105)			
446983.74	3762774.24	11.62567	(16083105)	447009.00	
3762774.05	11.71652	(16083105)			
447030.51	3762774.44	11.26428	(13070405)	447055.37	
3762774.05	11.19964	(16081404)			
447076.88	3762774.24	11.30278	(16081404)	447101.16	
3762774.44	11.83865	(16081404)			
447123.85	3762774.05	11.96018	(16081404)	447148.12	
3762775.03	12.30375	(16081404)			
447170.23	3762774.84	12.55741	(16081422)	447196.78	
3762775.48	12.54686	(16081422)			
447242.12	3762776.57	12.60482	(15082723)	447262.33	
3762776.03	12.62883	(15082723)			
447294.56	3762776.30	12.16321	(12081224)	447313.13	
3762775.48	12.23984	(12081224)			
447313.40	3762749.53	13.35929	(12081224)	447327.86	
3762713.09	13.68963	(15090623)			
447327.36	3762679.87	12.29703	(15082522)	447327.74	
3762657.02	13.02118	(15082522)			
447327.28	3762636.82	13.57146	(12080922)	447327.51	
3762612.90	14.54575	(12080922)			
447327.28	3762592.24	15.55233	(12080922)	447327.04	
3762569.71	16.65832	(12080922)			
447327.28	3762547.89	17.99531	(12081123)	447326.58	
3762524.67	19.91805	(14072824)			
447326.58	3762506.09	22.01513	(14082201)	447327.51	
3762477.53	26.65050	(12081422)			
447325.88	3762454.31	33.13699	(15100920)	447225.58	
3762432.95	47.36789	(12062806)			
447200.27	3762430.63	49.88859	(12062806)	447156.85	
3762430.16	50.01039	(12062806)			
447131.77	3762430.86	48.87622	(12062806)	447102.74	
3762430.63	48.83218	(12062806)			
447079.06	3762430.86	48.30379	(12062806)	447034.94	

3762433.65	44.91230	(12062806)		
446995.47	3762433.65	44.54901	(12062806)	446972.71
3762434.34	43.69888	(12062806)		
446941.37	3762434.58	43.19327	(12062806)	446916.06
3762436.90	41.02099	(12062806)		
446876.35	3762436.90	40.71555	(12080922)	446848.85
3762647.05	12.16653	(15082723)		
446848.85	3762563.17	15.60929	(13063024)	446849.17
3762509.82	20.71702	(13090323)		
446849.17	3762455.82	31.92198	(15090924)	446848.85
3762702.00	12.52783	(14070602)		
446849.49	3762754.71	10.90208	(13072204)	446739.81
3762428.53	40.71807	(16082707)		
446711.81	3762423.61	40.07298	(16082707)	446687.25
3762416.25	39.86349	(12062806)		
446662.20	3762412.32	37.22430	(12062806)	446636.17
3762403.97	37.05672	(12110208)		
449981.72	3762732.45	3.17955	(12072002)	446486.82
3762231.95	47.12786	(12062806)		
446261.97	3762068.01	43.63998	(12080822)	446443.15
3762291.63	38.73795	(12062806)		
446071.80	3762055.49	44.69782	(12062806)	446072.08
3761983.13	43.80691	(12062806)		
446138.18	3762002.17	43.35593	(12062806)	445884.94
3762039.75	41.00182	(12062806)		

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops ***          10/19/22
*** AERMET - VERSION 16216 ***
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PAGE 256

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 2OR30 ***
INCLUDING SOURCE(S): L0001701 , L0001702 ,
L0001703 , L0001704 , L0001705 ,
L0001706 , L0001707 , L0001708 , L0001709 , L0001710 ,
L0001711 , L0001712 , L0001713 ,
L0001714 , L0001715 , L0001716 , L0001717 , L0001718 ,
L0001719 , L0001720 , L0001721 ,
L0001722 , L0001723 , L0001724 , L0001725 , L0001726 ,
L0001727 , L0001728 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	9.84668	(16072603)	447375.98	
3764150.98	10.25123	(12080704)			
447389.75	3764043.04	10.37212	(12080704)	447450.16	
3764031.05	10.31429	(16072603)			
447410.18	3764019.05	10.38783	(12080704)	446891.90	
3764451.22	9.18995	(13090723)			
446959.28	3764451.22	9.22715	(13090423)	446995.28	
3764468.13	9.28536	(13090423)			
447007.41	3764467.30	9.30840	(13090423)	447023.51	
3764466.09	9.30303	(13090423)			
447036.59	3764466.21	9.28197	(13090423)	447052.68	
3764465.61	9.25989	(13090423)			
447066.60	3764465.73	9.26066	(14083005)	447099.65	

3764456.17	9.32159	(12072004)	
447145.28	3764468.27	9.30858	(12072004)
3764468.03	9.27180	(12080704)	447175.54
447205.32	3764468.27	9.25395	(12080704)
3764467.55	9.36175	(12080704)	447232.43
447264.02	3764467.30	9.51328	(16072603)
3764466.94	9.61683	(16072603)	447294.77
447364.97	3764456.41	9.63705	(12081001)
3764460.65	9.58914	(12081001)	447406.61
447441.47	3764460.04	9.56350	(12081604)
3764460.20	9.51803	(16062701)	447466.88
447490.00	3764460.56	9.50074	(16062701)
3764460.40	9.43191	(16062701)	447515.50
447573.06	3764454.29	9.29881	(15032722)
3764445.22	9.35050	(12092102)	447598.49
447652.90	3764439.70	9.57975	(16062804)
3764439.51	9.57136	(12081106)	447692.92
447713.82	3764439.11	9.60314	(12081106)
3764438.72	9.62947	(12081106)	447731.95
447751.07	3764438.72	9.62559	(12081106)
3764437.53	9.62924	(12081106)	447768.82
447789.12	3764437.73	9.63795	(15062301)
3764437.34	9.65655	(15062301)	447805.68
447824.02	3764437.20	9.68085	(13090206)
3764437.87	9.71062	(13090206)	447841.61
447861.72	3764437.53	9.72676	(13090206)
3764435.18	9.73169	(13090206)	447881.66
447902.78	3764436.19	9.73571	(15083004)
3764435.35	9.73811	(15083004)	447920.87
447942.16	3764435.35	9.71924	(15083004)
3764434.85	9.73045	(12082822)	447962.77
447980.70	3764435.18	9.76727	(12082822)
3764435.18	9.77296	(12082822)	448004.66
448021.25	3764434.68	9.70062	(12082822)
3764379.63	9.88421	(16062804)	447662.70
447681.30	3764320.98	10.08591	(16062804)
3764285.79	10.07290	(16062804)	447682.64
447662.53	3764238.37	10.04565	(16062804)
3764207.37	10.00067	(15032722)	447661.70
447683.14	3764162.29	10.02454	(12083006)
3764145.87	10.00536	(12083006)	447680.97
447679.63	3764130.28	9.97790	(12083006)
3764112.02	9.96167	(12083006)	447680.80
447681.47	3764096.43	9.97900	(12083006)
3764078.84	10.02603	(15032722)	447680.80
447679.96	3764064.26	10.10936	(15032722)
3764045.82	10.22030	(15032722)	447680.97
447680.63	3764029.74	10.32712	(15032722)
3763992.03	10.51898	(15032722)	447657.17
447656.33	3763967.06	10.69067	(15032722)
3763928.69	10.91931	(15032722)	447657.17
447657.17	3763902.21	11.08210	(15032722)
3763869.03	11.20435	(15032722)	447657.51
447656.16	3763834.94	11.41754	(15032722)
3763808.27	11.61472	(15032722)	447655.93
447657.09	3763786.00	11.78101	(15032722)
3763782.14	11.84600	(15032722)	447701.21
447856.92	3763749.71	11.54527	(16062805)
3763730.13	11.60981	(16062805)	447854.99
447854.35	3763698.35	11.71859	(12083006)
3763676.84	11.79627	(12083006)	447855.31
447675.51	3763287.46	13.75263	(15072504)
3763485.29	13.36899	(13072124)	448481.33
448479.95	3763195.53	14.84917	(15081522)
3762907.16	14.53937	(12080723)	448478.56
448497.89	3762714.10	21.02673	(13090523)
			448507.91

PAGE 257

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2OR30 ***

INCLUDING SOURCE(S): L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 , L0001707 , L0001708 , L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 , L0001715 , L0001716 , L0001717 , L0001718 , L0001719 , L0001720 , L0001721 , L0001722 , L0001723 , L0001724 , L0001725 , L0001726 , L0001727 , L0001728 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

Table with columns: X-COORD (M), Y-COORD (M), CONC, (YYMMDDHH), X-COORD (M), Y-COORD. Contains 30 rows of receptor point data.

3762674.58	10.66501	(12101719)		
446800.25	3762700.25	10.64418	(12101719)	446800.25
3762721.27	10.51452	(12101719)		
446799.97	3762735.74	10.36917	(12101719)	446797.79
3762748.02	10.19878	(12101719)		
446802.16	3762913.47	9.29303	(15120517)	446802.16
3762932.58	9.15150	(15120517)		
446802.43	3762949.24	8.99411	(15120517)	446802.98
3762967.26	8.79895	(14051202)		
446802.70	3762986.09	8.68835	(13092722)	446802.16
3763003.29	8.61766	(13092722)		
446802.16	3763021.86	8.71015	(13092722)	446802.70
3763040.70	8.75568	(16110920)		
446802.98	3763059.26	9.12189	(16110920)	446803.52
3763077.01	9.30852	(16110920)		
446756.29	3763085.26	7.81171	(13092722)	446807.68
3763646.39	11.30054	(15082702)		
446808.32	3763674.66	11.07259	(15082702)	446807.68
3763694.57	11.01549	(15050123)		
446808.32	3763710.63	10.93008	(15050123)	446808.32
3763726.37	10.83411	(15050123)		
446808.00	3763742.11	10.70476	(15050123)	446808.32
3763756.89	10.57884	(15050123)		
446808.64	3763798.32	10.54554	(13062901)	446810.25
3764484.08	9.04937	(13090723)		
446781.34	3764475.08	9.04190	(12083005)	446722.56
3764455.81	9.02108	(16072804)		
446170.32	3764559.79	8.35250	(13081603)	446872.29
3763190.26	13.48323	(16072103)		
446925.22	3763179.19	13.95455	(12092322)	446984.86
3763194.88	13.84011	(14091702)		
447010.56	3763193.28	14.32250	(14091702)	447036.58
3763193.60	14.46109	(14091702)		
447053.61	3763193.28	14.55183	(14091702)	447076.42
3763192.31	14.69063	(14091702)		
447093.45	3763192.63	14.80701	(14091702)	447122.05
3763192.63	14.60597	(12101421)		
447138.75	3763192.31	14.63446	(15082702)	447167.99
3763192.31	14.72188	(15082702)		
447170.68	3763172.18	14.82998	(15082702)	447170.41
3763158.25	14.85533	(15082702)		
447169.31	3763144.87	15.05644	(15082903)	447147.46
3763107.45	16.00640	(14091702)		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 258

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2OR30 ***

INCLUDING SOURCE(S): L0001701 , L0001702 ,
L0001703 , L0001704 , L0001705 ,
L0001706 , L0001707 , L0001708 , L0001709 , L0001710 ,
L0001711 , L0001712 , L0001713 ,
L0001714 , L0001715 , L0001716 , L0001717 , L0001718 ,
L0001719 , L0001720 , L0001721 ,
L0001722 , L0001723 , L0001724 , L0001725 , L0001726 ,
L0001727 , L0001728 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	16.30135	(14091702)	447146.92	
3763064.30	16.37480	(14091702)			
447149.92	3763038.90	16.42303	(12092322)	447148.56	
3763019.78	16.70087	(12092322)			
447148.56	3762997.39	14.82206	(14091620)	447206.08	
3762958.49	13.59773	(14091620)			
447209.33	3762922.51	13.47097	(14091521)	447208.40	
3762890.70	13.46935	(14091521)			
447145.83	3762888.87	12.85840	(13092602)	447122.55	
3762889.07	12.67213	(13092602)			
447094.33	3762890.05	12.42363	(16110920)	447071.04	
3762890.45	12.21063	(16110920)			
447043.61	3762889.66	11.92329	(16110920)	447017.76	
3762888.87	11.70285	(13092722)			
446992.11	3762889.07	11.49215	(13092722)	446964.28	
3762888.28	11.10762	(13092722)			
446940.41	3762888.47	10.83340	(13092722)	446911.20	
3762888.08	10.33975	(15120517)			
446885.35	3762889.66	10.13110	(15120517)	446862.07	
3762888.87	9.94978	(15120517)			
446871.45	3762779.57	10.83780	(12020622)	446926.31	
3762768.72	11.52793	(12020622)			
446983.74	3762774.24	12.09019	(16112103)	447009.00	
3762774.05	12.38909	(16112103)			
447030.51	3762774.44	12.73177	(15120517)	447055.37	
3762774.05	13.14723	(15120517)			
447076.88	3762774.24	13.48295	(15120517)	447101.16	
3762774.44	13.83266	(15120517)			
447123.85	3762774.05	14.14199	(15120517)	447148.12	
3762775.03	14.40279	(15120517)			
447170.23	3762774.84	14.62580	(15120517)	447196.78	
3762775.48	15.02358	(13092722)			
447242.12	3762776.57	15.67509	(13092722)	447262.33	
3762776.03	15.92070	(13092722)			
447294.56	3762776.30	16.47441	(13092602)	447313.13	
3762775.48	16.78490	(13092602)			
447313.40	3762749.53	17.41415	(13092602)	447327.86	
3762713.09	18.92510	(13092722)			
447327.36	3762679.87	20.20774	(15120517)	447327.74	
3762657.02	21.26623	(15120517)			
447327.28	3762636.82	21.97759	(15120517)	447327.51	
3762612.90	23.03304	(12020622)			
447327.28	3762592.24	24.06119	(12020622)	447327.04	
3762569.71	25.08527	(12101719)			
447327.28	3762547.89	26.29192	(12101719)	447326.58	
3762524.67	27.05581	(15040323)			
447326.58	3762506.09	28.05034	(15032622)	447327.51	
3762477.53	28.73450	(15090905)			
447325.88	3762454.31	29.87137	(15090905)	447225.58	
3762432.95	23.16729	(15090905)			
447200.27	3762430.63	21.81415	(15090905)	447156.85	
3762430.16	19.86467	(15090905)			
447131.77	3762430.86	18.90236	(15090905)	447102.74	
3762430.63	17.87981	(14100421)			
447079.06	3762430.86	17.12939	(14100421)	447034.94	
3762433.65	15.89788	(14100421)			
446995.47	3762433.65	14.91342	(14100421)	446972.71	
3762434.34	14.39932	(14100421)			
446941.37	3762434.58	13.74043	(14100421)	446916.06	
3762436.90	13.25739	(14100421)			
446876.35	3762436.90	12.53554	(14100421)	446848.85	

3762647.05	11.41052	(15040323)		
446848.85	3762563.17	11.90924	(15032622)	446849.17
3762509.82	12.34126	(15090905)		
446849.17	3762455.82	12.23045	(15090905)	446848.85
3762702.00	11.21029	(12101719)		
446849.49	3762754.71	10.82411	(12020622)	446739.81
3762428.53	10.51351	(16041722)		
446711.81	3762423.61	10.18057	(16041722)	446687.25
3762416.25	9.89522	(16041722)		
446662.20	3762412.32	9.61521	(16041722)	446636.17
3762403.97	9.32177	(16041722)		
449981.72	3762732.45	5.63042	(15082923)	446486.82
3762231.95	8.18275	(14011518)		
446261.97	3762068.01	6.35477	(14120121)	446443.15
3762291.63	7.91606	(16021518)		
446071.80	3762055.49	5.52899	(14120121)	446072.08
3761983.13	5.46760	(14051523)		
446138.18	3762002.17	5.75163	(14051523)	445884.94
3762039.75	4.85802	(14120121)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 259

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 20R60 ***
INCLUDING SOURCE(S): L0001821 , L0001822 ,
L0001823 , L0001824 , L0001825 ,
L0001826 , L0001827 , L0001828 , L0001829 , L0001830 ,
L0001831 , L0001832 , L0001833 ,
L0001834 , L0001835 , L0001836 , L0001837 , L0001838 ,
L0001839 , L0001840 , L0001841 ,
L0001842 , L0001843 , L0001844 , L0001845 , L0001846 ,
L0001847 , L0001848 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	8.47922	(12081704)	447375.98	
3764150.98	8.74567	(13081603)			
447389.75	3764043.04	8.85920	(15090724)	447450.16	
3764031.05	8.85771	(15090724)			
447410.18	3764019.05	8.90051	(15090724)	446891.90	
3764451.22	7.59644	(12010218)			
446959.28	3764451.22	7.72505	(16092001)	446995.28	
3764468.13	7.75880	(15090724)			
447007.41	3764467.30	7.79464	(15090724)	447023.51	
3764466.09	7.81564	(15090724)			
447036.59	3764466.21	7.82267	(15090724)	447052.68	
3764465.61	7.83688	(15090724)			
447066.60	3764465.73	7.84288	(15090724)	447099.65	
3764456.17	7.85644	(15090724)			
447145.28	3764468.27	7.90051	(13081603)	447175.54	
3764468.03	7.87434	(15062905)			
447205.32	3764468.27	7.86861	(12081704)	447232.43	
3764467.55	8.02347	(12081704)			
447264.02	3764467.30	8.22500	(12081704)	447294.77	

3764466.94	8.28661	(12081704)		
447364.97	3764456.41	8.31865	(12081302)	447406.61
3764460.65	8.29808	(12081302)		
447441.47	3764460.04	8.29884	(15092403)	447466.88
3764460.20	8.31442	(14081603)		
447490.00	3764460.56	8.34737	(14081603)	447515.50
3764460.40	8.34752	(14081603)		
447573.06	3764454.29	8.27101	(14081603)	447598.49
3764445.22	8.33566	(12092724)		
447652.90	3764439.70	8.57502	(14091701)	447692.92
3764439.51	8.55805	(14091701)		
447713.82	3764439.11	8.54866	(14081405)	447731.95
3764438.72	8.58361	(14081405)		
447751.07	3764438.72	8.61130	(13070222)	447768.82
3764437.53	8.65211	(13070222)		
447789.12	3764437.73	8.68853	(13070222)	447805.68
3764437.34	8.70085	(13070222)		
447824.02	3764437.20	8.70522	(15092601)	447841.61
3764437.87	8.73743	(15092601)		
447861.72	3764437.53	8.76024	(15092601)	447881.66
3764435.18	8.78068	(12083105)		
447902.78	3764436.19	8.80767	(12083105)	447920.87
3764435.35	8.82352	(12083105)		
447942.16	3764435.35	8.82600	(12083105)	447962.77
3764434.85	8.81738	(12083105)		
447980.70	3764435.18	8.83381	(15080324)	448004.66
3764435.18	8.83532	(15080324)		
448021.25	3764434.68	8.77908	(15092502)	447662.70
3764379.63	8.84505	(14091701)		
447681.30	3764320.98	9.00934	(14091701)	447682.64
3764285.79	8.97368	(12092724)		
447662.53	3764238.37	8.98245	(14081603)	447661.70
3764207.37	8.95211	(14081603)		
447683.14	3764162.29	8.93791	(15061824)	447680.97
3764145.87	8.93916	(13082922)		
447679.63	3764130.28	8.92831	(13082922)	447680.80
3764112.02	8.91965	(13082922)		
447681.47	3764096.43	8.93013	(13082922)	447680.80
3764078.84	8.98740	(12092221)		
447679.96	3764064.26	9.05625	(12092221)	447680.97
3764045.82	9.14753	(12092221)		
447680.63	3764029.74	9.22811	(12092221)	447657.17
3763992.03	9.27506	(12092221)		
447656.33	3763967.06	9.37027	(15063002)	447657.17
3763928.69	9.55910	(15063002)		
447657.17	3763902.21	9.67687	(15063002)	447657.51
3763869.03	9.76681	(13062901)		
447656.16	3763834.94	9.93262	(13081603)	447655.93
3763808.27	10.09327	(13081603)		
447657.09	3763786.00	10.23481	(15090724)	447701.21
3763782.14	10.33505	(13081603)		
447856.92	3763749.71	10.43164	(12092221)	447854.99
3763730.13	10.47494	(12092221)		
447854.35	3763698.35	10.53150	(12092221)	447855.31
3763676.84	10.56010	(12092221)		
447675.51	3763287.46	11.61560	(16072103)	448481.33
3763485.29	12.83717	(12081001)		
448479.95	3763195.53	14.62606	(15082605)	448478.56
3762907.16	19.01258	(13082922)		
448497.89	3762714.10	25.39861	(15082702)	448507.91
3762487.71	49.06585	(15011116)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich

Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 2OR60 ***
 INCLUDING SOURCE(S): L0001821 , L0001822 ,
 L0001823 , L0001824 , L0001825 ,
 L0001826 , L0001827 , L0001828 , L0001829 , L0001830 ,
 L0001831 , L0001832 , L0001833 ,
 L0001834 , L0001835 , L0001836 , L0001837 , L0001838 ,
 L0001839 , L0001840 , L0001841 ,
 L0001842 , L0001843 , L0001844 , L0001845 , L0001846 ,
 L0001847 , L0001848 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	164.15185	(12121716)	448462.73	
3762339.82	92.49137	(16092701)			
448464.47	3762265.93	49.60757	(15101023)	448461.57	
3762165.17	30.90366	(15090903)			
448472.57	3762064.71	22.30750	(16092702)	448460.48	
3762016.72	19.74379	(12091503)			
448234.63	3761951.18	16.51169	(15090904)	448081.42	
3761952.78	15.52247	(15100921)			
448025.53	3761955.99	14.75229	(15100921)	447506.75	
3761967.63	8.78350	(12020618)			
447269.29	3761967.74	7.16292	(14011319)	447389.46	
3761908.79	7.73105	(15101024)			
447019.14	3761964.34	5.91777	(13121117)	447060.33	
3761963.58	6.10058	(13121117)			
446975.31	3761963.20	5.72324	(13121117)	446940.92	
3761953.76	5.57524	(13121117)			
446865.72	3761974.54	5.34574	(14051523)	446795.06	
3761957.91	5.08350	(14051523)			
446757.65	3761965.85	4.97105	(14051523)	446709.33	
3761967.74	4.81442	(14051523)			
446796.42	3762028.62	5.06589	(14051523)	446796.97	
3762045.28	5.08996	(14120121)			
446796.70	3762089.51	5.15368	(14120121)	446796.15	
3762105.89	5.14689	(14120121)			
446796.70	3762137.29	5.20855	(14011518)	446796.15	
3762153.39	5.25366	(14011518)			
446772.40	3762215.37	5.20630	(14011518)	446795.06	
3762321.03	5.22564	(15031521)			
446796.42	3762450.98	5.07259	(16041722)	446796.42	
3762471.18	5.07791	(16041722)			
446797.24	3762496.03	5.05667	(16041722)	446798.06	
3762516.51	5.06934	(14100421)			
446797.79	3762539.98	5.07792	(15090905)	446797.52	
3762560.19	5.13261	(15090905)			
446798.61	3762584.76	5.17420	(15090905)	446798.06	
3762604.42	5.17817	(15090905)			
446799.70	3762654.11	5.37325	(15090905)	446799.97	
3762674.58	5.82216	(15090905)			
446800.25	3762700.25	5.99158	(14080304)	446800.25	
3762721.27	6.22416	(14080304)			
446799.97	3762735.74	6.23235	(14080304)	446797.79	
3762748.02	6.21844	(14080304)			
446802.16	3762913.47	5.67912	(14100321)	446802.16	

3762932.58	5.70752	(14100321)		
446802.43	3762949.24	5.71429	(14100321)	446802.98
3762967.26	5.70261	(14100321)		
446802.70	3762986.09	5.68395	(14100321)	446802.16
3763003.29	5.91764	(14100321)		
446802.16	3763021.86	5.93742	(14100321)	446802.70
3763040.70	6.03448	(14100321)		
446802.98	3763059.26	6.16322	(15010901)	446803.52
3763077.01	6.31950	(15010901)		
446756.29	3763085.26	5.60746	(16102420)	446807.68
3763646.39	8.22300	(14091421)		
446808.32	3763674.66	8.24719	(14091421)	446807.68
3763694.57	8.24804	(14091421)		
446808.32	3763710.63	8.21497	(14091421)	446808.32
3763726.37	8.16686	(14091421)		
446808.00	3763742.11	8.09008	(14091421)	446808.32
3763756.89	8.02285	(16021622)		
446808.64	3763798.32	8.03115	(16072703)	446810.25
3764484.08	7.45058	(14081705)		
446781.34	3764475.08	7.46269	(16072901)	446722.56
3764455.81	7.42002	(15081403)		
446170.32	3764559.79	6.62536	(16081724)	446872.29
3763190.26	8.49845	(16092622)		
446925.22	3763179.19	8.80927	(15081502)	446984.86
3763194.88	9.05147	(15081502)		
447010.56	3763193.28	9.34945	(15081502)	447036.58
3763193.60	9.47004	(15081502)		
447053.61	3763193.28	9.56381	(15081502)	447076.42
3763192.31	9.71962	(14091321)		
447093.45	3763192.63	9.88846	(14091321)	447122.05
3763192.63	9.91746	(14091321)		
447138.75	3763192.31	9.94820	(14091321)	447167.99
3763192.31	10.00315	(14091321)		
447170.68	3763172.18	10.03235	(14091321)	447170.41
3763158.25	10.00062	(14091321)		
447169.31	3763144.87	10.02641	(14091321)	447147.46
3763107.45	10.17600	(15081502)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 261

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 2OR60 ***
INCLUDING SOURCE(S): L0001821 , L0001822 ,
L0001823 , L0001824 , L0001825 ,
L0001826 , L0001827 , L0001828 , L0001829 , L0001830 ,
L0001831 , L0001832 , L0001833 ,
L0001834 , L0001835 , L0001836 , L0001837 , L0001838 ,
L0001839 , L0001840 , L0001841 ,
L0001842 , L0001843 , L0001844 , L0001845 , L0001846 ,
L0001847 , L0001848 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	10.08535	(16092622)	447146.92	

3763064.30	10.14348	(16092622)		
447149.92	3763038.90	10.08763	(16092622)	447148.56
3763019.78	10.01127	(16092622)		
447148.56	3762997.39	9.84300	(16111321)	447206.08
3762958.49	8.85076	(15011101)		
447209.33	3762922.51	8.14626	(14100321)	447208.40
3762890.70	8.16951	(14100321)		
447145.83	3762888.87	7.87078	(14100321)	447122.55
3762889.07	7.74943	(14100321)		
447094.33	3762890.05	7.67258	(14100321)	447071.04
3762890.45	7.55165	(14100321)		
447043.61	3762889.66	7.40243	(14100321)	447017.76
3762888.87	7.19016	(14100321)		
446992.11	3762889.07	7.05134	(14100321)	446964.28
3762888.28	6.89362	(14100321)		
446940.41	3762888.47	6.73751	(14100321)	446911.20
3762888.08	6.44322	(14100321)		
446885.35	3762889.66	6.32756	(16092423)	446862.07
3762888.87	6.25316	(16092423)		
446871.45	3762779.57	6.41809	(14080304)	446926.31
3762768.72	6.67907	(14080304)		
446983.74	3762774.24	6.93758	(16092423)	447009.00
3762774.05	6.95519	(16092423)		
447030.51	3762774.44	6.81950	(16092423)	447055.37
3762774.05	6.79947	(16092423)		
447076.88	3762774.24	6.92351	(16092423)	447101.16
3762774.44	7.28231	(16092423)		
447123.85	3762774.05	7.41178	(16092423)	447148.12
3762775.03	7.63547	(16092423)		
447170.23	3762774.84	7.89391	(16092423)	447196.78
3762775.48	7.92407	(16092423)		
447242.12	3762776.57	8.18573	(16092423)	447262.33
3762776.03	8.29634	(16092423)		
447294.56	3762776.30	8.39038	(16092423)	447313.13
3762775.48	8.50794	(16092423)		
447313.40	3762749.53	8.66321	(16092423)	447327.86
3762713.09	8.61763	(16092423)		
447327.36	3762679.87	7.80074	(15032622)	447327.74
3762657.02	7.48115	(15032622)		
447327.28	3762636.82	7.43286	(15032622)	447327.51
3762612.90	7.61137	(15090905)		
447327.28	3762592.24	7.75319	(15090905)	447327.04
3762569.71	7.85184	(15090905)		
447327.28	3762547.89	7.89121	(15090905)	447326.58
3762524.67	7.85889	(15090905)		
447326.58	3762506.09	7.78666	(15090905)	447327.51
3762477.53	7.74502	(16041722)		
447325.88	3762454.31	7.78222	(16041722)	447225.58
3762432.95	7.07726	(16041722)		
447200.27	3762430.63	6.91487	(16041722)	447156.85
3762430.16	6.65784	(16041722)		
447131.77	3762430.86	6.51927	(16041722)	447102.74
3762430.63	6.36238	(16041722)		
447079.06	3762430.86	6.23988	(16041722)	447034.94
3762433.65	6.02810	(16041722)		
446995.47	3762433.65	5.84441	(16041722)	446972.71
3762434.34	5.74432	(16041722)		
446941.37	3762434.58	5.61033	(16041722)	446916.06
3762436.90	5.50959	(16041722)		
446876.35	3762436.90	5.35137	(16041722)	446848.85
3762647.05	5.46890	(15090905)		
446848.85	3762563.17	5.33390	(15090905)	446849.17
3762509.82	5.24978	(14100421)		
446849.17	3762455.82	5.26776	(16041722)	446848.85
3762702.00	6.27419	(14080304)		
446849.49	3762754.71	6.49240	(14080304)	446739.81

3762428.53	4.84776	(16041722)		
446711.81	3762423.61	4.74732	(16041722)	446687.25
3762416.25	4.66463	(15031521)		
446662.20	3762412.32	4.60366	(15031521)	446636.17
3762403.97	4.55707	(15031521)		
449981.72	3762732.45	13.25017	(15081321)	446486.82
3762231.95	4.35826	(16021518)		
446261.97	3762068.01	3.75299	(14011518)	446443.15
3762291.63	4.18752	(16021518)		
446071.80	3762055.49	3.40932	(14011518)	446072.08
3761983.13	3.33938	(14120121)		
446138.18	3762002.17	3.45465	(14120121)	445884.94
3762039.75	3.11566	(14011518)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 262

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 3CIDLE ***

INCLUDING SOURCE(S): L0000104 , L0000105 ,
 L0000106 , L0000107 , L0000108 ,
 L0000109 , L0000110 , L0000111 , L0000112 , L0000113 ,
 L0000114 , L0000115 , L0000116 ,
 L0000117 , L0000118 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	24.69424	(12082822)	447375.98	
3764150.98	26.88720	(12082822)			
447389.75	3764043.04	27.31490	(14082503)	447450.16	
3764031.05	27.30324	(13082522)			
447410.18	3764019.05	27.63731	(15081301)	446891.90	
3764451.22	19.92143	(15062904)			
446959.28	3764451.22	20.32403	(12081604)	446995.28	
3764468.13	20.39298	(15032722)			
447007.41	3764467.30	20.78975	(15032722)	447023.51	
3764466.09	21.02231	(15032722)			
447036.59	3764466.21	21.05024	(15032722)	447052.68	
3764465.61	21.01361	(15032722)			
447066.60	3764465.73	20.83504	(15032722)	447099.65	
3764456.17	21.44741	(12080203)			
447145.28	3764468.27	21.58221	(12083006)	447175.54	
3764468.03	21.07939	(14072401)			
447205.32	3764468.27	20.95459	(16062805)	447232.43	
3764467.55	21.60241	(15062202)			
447264.02	3764467.30	22.91799	(15062704)	447294.77	
3764466.94	23.41178	(15083004)			
447364.97	3764456.41	23.73669	(12082822)	447406.61	
3764460.65	22.87319	(12102719)			
447441.47	3764460.04	23.03640	(14082624)	447466.88	
3764460.20	22.72835	(12080824)			
447490.00	3764460.56	22.89930	(12080824)	447515.50	
3764460.40	22.41130	(12080824)			
447573.06	3764454.29	21.41205	(13070104)	447598.49	
3764445.22	21.69153	(15090723)			

447652.90	3764439.70	22.72028	(15101706)	447692.92
3764439.51	22.73781	(12080823)		
447713.82	3764439.11	22.61190	(12080823)	447731.95
3764438.72	22.37818	(15092424)		
447751.07	3764438.72	22.37655	(16062624)	447768.82
3764437.53	22.31402	(16062624)		
447789.12	3764437.73	22.23298	(13080424)	447805.68
3764437.34	22.32476	(14082605)		
447824.02	3764437.20	22.50538	(14082605)	447841.61
3764437.87	22.33766	(14082605)		
447861.72	3764437.53	22.05492	(16081723)	447881.66
3764435.18	22.10287	(16062702)		
447902.78	3764436.19	21.81356	(16062702)	447920.87
3764435.35	21.64270	(14053003)		
447942.16	3764435.35	21.39932	(13072124)	447962.77
3764434.85	21.46901	(13072124)		
447980.70	3764435.18	21.28981	(13072124)	448004.66
3764435.18	20.78600	(15062503)		
448021.25	3764434.68	19.99329	(12071205)	447662.70
3764379.63	24.68161	(16072903)		
447681.30	3764320.98	25.85702	(12080823)	447682.64
3764285.79	25.34923	(12080823)		
447662.53	3764238.37	25.29372	(12080823)	447661.70
3764207.37	24.95567	(15092424)		
447683.14	3764162.29	23.83401	(13080424)	447680.97
3764145.87	23.64638	(12070801)		
447679.63	3764130.28	23.44678	(12070801)	447680.80
3764112.02	23.26628	(12081701)		
447681.47	3764096.43	23.34194	(12081701)	447680.80
3764078.84	23.58899	(12081701)		
447679.96	3764064.26	24.05881	(12092201)	447680.97
3764045.82	24.81158	(12092201)		
447680.63	3764029.74	25.50976	(12092201)	447657.17
3763992.03	26.44823	(12092201)		
447656.33	3763967.06	27.79916	(12092201)	447657.17
3763928.69	29.53216	(12092201)		
447657.17	3763902.21	30.69879	(12092201)	447657.51
3763869.03	31.21473	(12092201)		
447656.16	3763834.94	32.82849	(14082923)	447655.93
3763808.27	34.73448	(16090701)		
447657.09	3763786.00	36.21164	(16090701)	447701.21
3763782.14	35.76727	(13071901)		
447856.92	3763749.71	24.68061	(16082424)	447854.99
3763730.13	23.68687	(16082424)		
447854.35	3763698.35	22.79551	(12073102)	447855.31
3763676.84	22.16410	(15082824)		
447675.51	3763287.46	51.68212	(13082723)	448481.33
3763485.29	12.90820	(16072623)		
448479.95	3763195.53	11.95286	(16062824)	448478.56
3762907.16	12.10564	(14082722)		
448497.89	3762714.10	11.05128	(15101802)	448507.91
3762487.71	10.03397	(16110320)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 263

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 3CIDLE ***

	INCLUDING SOURCE(S):	L0000104	,	L0000105	,
		L0000106	,	L0000107	,
				L0000108	,
L0000109	,	L0000110	,	L0000111	,
L0000114	,	L0000115	,	L0000116	,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF OTHER		IN		
		MICROGRAMS/M**3			**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)		X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)				
448480.49	3762357.96	9.70482	(15082623)		448462.73	
3762339.82	9.74580	(15082623)				
448464.47	3762265.93	9.23951	(12080622)		448461.57	
3762165.17	8.71590	(12080622)				
448472.57	3762064.71	8.02223	(15102521)		448460.48	
3762016.72	7.86607	(13042022)				
448234.63	3761951.18	8.82097	(16082922)		448081.42	
3761952.78	10.18136	(12121716)				
448025.53	3761955.99	13.21364	(12121716)		447506.75	
3761967.63	12.32638	(12081423)				
447269.29	3761967.74	12.66293	(15101301)		447389.46	
3761908.79	11.63092	(15112121)				
447019.14	3761964.34	11.88276	(16091922)		447060.33	
3761963.58	11.96579	(14090704)				
446975.31	3761963.20	11.64225	(15090901)		446940.92	
3761953.76	11.53260	(15090901)				
446865.72	3761974.54	11.31835	(13083002)		446795.06	
3761957.91	10.70839	(16061824)				
446757.65	3761965.85	10.61615	(12100123)		446709.33	
3761967.74	10.30227	(12082901)				
446796.42	3762028.62	11.54710	(12100123)		446796.97	
3762045.28	11.76246	(12100123)				
446796.70	3762089.51	12.33502	(12082901)		446796.15	
3762105.89	12.53188	(12082901)				
446796.70	3762137.29	12.87648	(12082901)		446796.15	
3762153.39	13.04597	(12091405)				
446772.40	3762215.37	13.81834	(12091505)		446795.06	
3762321.03	15.98267	(16102021)				
446796.42	3762450.98	18.88387	(15090922)		446796.42	
3762471.18	19.32185	(15090922)				
446797.24	3762496.03	19.87699	(16092702)		446798.06	
3762516.51	20.60145	(15090904)				
446797.79	3762539.98	21.24802	(15090904)		446797.52	
3762560.19	21.59237	(15090904)				
446798.61	3762584.76	22.13290	(16111022)		446798.06	
3762604.42	22.74432	(12100204)				
446799.70	3762654.11	24.66137	(15100921)		446799.97	
3762674.58	25.48016	(15100921)				
446800.25	3762700.25	26.01331	(15100921)		446800.25	
3762721.27	26.21723	(14080302)				
446799.97	3762735.74	26.34882	(15101023)		446797.79	
3762748.02	26.74891	(15101023)				
446802.16	3762913.47	30.73634	(14051523)		446802.16	
3762932.58	31.05293	(14051523)				
446802.43	3762949.24	31.09887	(14120121)		446802.98	
3762967.26	31.76274	(14011518)				
446802.70	3762986.09	32.17852	(14011518)		446802.16	
3763003.29	32.34791	(16021518)				
446802.16	3763021.86	32.13960	(16021518)		446802.70	
3763040.70	31.71470	(15031521)				
446802.98	3763059.26	31.42906	(16041722)		446803.52	
3763077.01	31.99595	(15090905)				
446756.29	3763085.26	28.72733	(15090905)		446807.68	
3763646.39	19.49623	(15092021)				
446808.32	3763674.66	18.48823	(15060921)		446807.68	

3763694.57	18.23904	(15060921)		
446808.32	3763710.63	17.99776	(15060921)	446808.32
3763726.37	18.21577	(15060921)		
446808.00	3763742.11	17.82084	(15060921)	446808.32
3763756.89	17.41563	(15060921)		
446808.64	3763798.32	17.97490	(15062722)	446810.25
3764484.08	19.25328	(12080704)		
446781.34	3764475.08	19.00568	(12080704)	446722.56
3764455.81	18.65932	(15071803)		
446170.32	3764559.79	14.54200	(15063002)	446872.29
3763190.26	36.64844	(12101719)		
446925.22	3763179.19	42.67410	(12101719)	446984.86
3763194.88	49.81508	(12020622)		
447010.56	3763193.28	54.43610	(15120517)	447036.58
3763193.60	60.05668	(15120517)		
447053.61	3763193.28	63.90265	(15120517)	447076.42
3763192.31	69.27888	(15120517)		
447093.45	3763192.63	73.93391	(13092722)	447122.05
3763192.63	83.96878	(13092602)		
447138.75	3763192.31	90.93293	(13092602)	447167.99
3763192.31	106.25511	(15090824)		
447170.68	3763172.18	111.96136	(13092602)	447170.41
3763158.25	114.48769	(13092722)		
447169.31	3763144.87	118.40121	(15120517)	447147.46
3763107.45	118.82836	(12110208)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 264

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 3CIDLE ***
 INCLUDING SOURCE(S): L0000104 , L0000105 ,
 L0000106 , L0000107 , L0000108 ,
 L0000109 , L0000110 , L0000111 , L0000112 , L0000113 ,
 L0000114 , L0000115 , L0000116 ,
 L0000117 , L0000118 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	135.04940	(12110208)	447146.92	
3763064.30	136.24129	(12110208)			
447149.92	3763038.90	121.82608	(12110208)	447148.56	
3763019.78	115.58081	(14011518)			
447148.56	3762997.39	112.13788	(14051523)	447206.08	
3762958.49	149.46892	(15100921)			
447209.33	3762922.51	135.11424	(16111022)	447208.40	
3762890.70	120.85992	(15090922)			
447145.83	3762888.87	89.60291	(15090903)	447122.55	
3762889.07	82.51835	(15100921)			
447094.33	3762890.05	72.95528	(15100921)	447071.04	
3762890.45	65.91752	(15101023)			
447043.61	3762889.66	59.75095	(15101023)	447017.76	
3762888.87	54.21628	(14022022)			
446992.11	3762889.07	50.08294	(15101024)	446964.28	
3762888.28	46.29123	(15101024)			

446940.41	3762888.47	43.14349	(15101024)	446911.20
3762888.08	39.40587	(15101024)		
446885.35	3762889.66	36.78652	(12020618)	446862.07
3762888.87	34.58046	(12020618)		
446871.45	3762779.57	32.06187	(15101023)	446926.31
3762768.72	36.80206	(15100921)		
446983.74	3762774.24	41.98756	(15090903)	447009.00
3762774.05	44.23358	(12100204)		
447030.51	3762774.44	46.58968	(16111022)	447055.37
3762774.05	50.19133	(15090904)		
447076.88	3762774.24	52.82601	(15090904)	447101.16
3762774.44	56.81471	(15090922)		
447123.85	3762774.05	59.68397	(15092006)	447148.12
3762775.03	64.39737	(16102021)		
447170.23	3762774.84	68.02441	(12091505)	447196.78
3762775.48	73.27317	(12100123)		
447242.12	3762776.57	82.22703	(15090901)	447262.33
3762776.03	85.05776	(16091922)		
447294.56	3762776.30	89.68978	(15090923)	447313.13
3762775.48	90.90122	(15092103)		
447313.40	3762749.53	79.73007	(15092103)	447327.86
3762713.09	68.35001	(15101301)		
447327.36	3762679.87	59.34559	(15101301)	447327.74
3762657.02	54.28804	(15101301)		
447327.28	3762636.82	50.38937	(15101301)	447327.51
3762612.90	46.28786	(15101301)		
447327.28	3762592.24	43.23900	(15101301)	447327.04
3762569.71	40.27994	(15101301)		
447327.28	3762547.89	37.70436	(15101301)	447326.58
3762524.67	35.32260	(16021522)		
447326.58	3762506.09	33.60257	(16021522)	447327.51
3762477.53	31.18392	(16021522)		
447325.88	3762454.31	29.43875	(16021522)	447225.58
3762432.95	27.43169	(15090923)		
447200.27	3762430.63	26.95345	(14090704)	447156.85
3762430.16	26.28163	(16091922)		
447131.77	3762430.86	25.96694	(15090901)	447102.74
3762430.63	25.37714	(15090901)		
447079.06	3762430.86	24.70538	(13083002)	447034.94
3762433.65	23.75207	(16061824)		
446995.47	3762433.65	22.89526	(12082901)	446972.71
3762434.34	22.16277	(12082901)		
446941.37	3762434.58	21.61347	(12091505)	446916.06
3762436.90	21.10658	(15021220)		
446876.35	3762436.90	20.21461	(16102021)	446848.85
3762647.05	26.11537	(12100204)		
446848.85	3762563.17	23.48268	(15090904)	446849.17
3762509.82	21.82088	(15090922)		
446849.17	3762455.82	20.07608	(15092006)	446848.85
3762702.00	28.75009	(15100921)		
446849.49	3762754.71	29.85507	(14080302)	446739.81
3762428.53	17.11383	(16092702)		
446711.81	3762423.61	16.51508	(15090904)	446687.25
3762416.25	16.03506	(15090904)		
446662.20	3762412.32	15.56148	(15090904)	446636.17
3762403.97	14.96008	(15090904)		
449981.72	3762732.45	3.68666	(14082722)	446486.82
3762231.95	11.19378	(15090904)		
446261.97	3762068.01	8.32550	(15090904)	446443.15
3762291.63	11.09614	(14091405)		
446071.80	3762055.49	7.17234	(12100204)	446072.08
3761983.13	6.84344	(14091405)		
446138.18	3762002.17	7.29312	(16111022)	445884.94
3762039.75	6.41879	(15100921)		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 3CON ***

INCLUDING SOURCE(S): L0000234 , L0000235 ,
 L0000236 , L0000237 , L0000238 ,
 L0000239 , L0000240 , L0000241 , L0000242 , L0000243 ,
 L0000244 , L0000245 , L0000246 ,
 L0000247 , L0000248 , L0000249 , L0000250 , L0000251 ,
 L0000252 , L0000253 , L0000254 ,
 L0000255 , L0000256 , L0000257 , L0000258 , L0000259 ,
 L0000260 , L0000261 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	21.60964	(12083004)	447375.98	
3764150.98	23.86788	(12083004)			
447389.75	3764043.04	24.24204	(12083004)	447450.16	
3764031.05	23.89640	(15090822)			
447410.18	3764019.05	24.22536	(12083004)	446891.90	
3764451.22	17.44702	(13062605)			
446959.28	3764451.22	17.88424	(12081001)	446995.28	
3764468.13	18.16275	(12081001)			
447007.41	3764467.30	18.27880	(12081604)	447023.51	
3764466.09	18.30333	(12081604)			
447036.59	3764466.21	18.32026	(16082102)	447052.68	
3764465.61	18.50741	(15032722)			
447066.60	3764465.73	18.80117	(15032722)	447099.65	
3764456.17	19.14107	(15032722)			
447145.28	3764468.27	18.91161	(12080203)	447175.54	
3764468.03	18.93358	(12083006)			
447205.32	3764468.27	18.66752	(12083006)	447232.43	
3764467.55	19.20231	(14072401)			
447264.02	3764467.30	20.42087	(16062805)	447294.77	
3764466.94	20.84385	(15062202)			
447364.97	3764456.41	20.63727	(12083004)	447406.61	
3764460.65	20.96293	(12082822)			
447441.47	3764460.04	20.82896	(12102719)	447466.88	
3764460.20	20.57025	(14082624)			
447490.00	3764460.56	20.42105	(14082624)	447515.50	
3764460.40	19.80445	(14082624)			
447573.06	3764454.29	19.39102	(13082522)	447598.49	
3764445.22	19.62605	(12090506)			
447652.90	3764439.70	20.75354	(15090723)	447692.92	
3764439.51	20.45057	(13082502)			
447713.82	3764439.11	20.43938	(16072903)	447731.95	
3764438.72	20.52961	(16072903)			
447751.07	3764438.72	20.60192	(12080823)	447768.82	
3764437.53	20.58925	(12080823)			
447789.12	3764437.73	20.46721	(16062624)	447805.68	
3764437.34	20.54828	(16062624)			
447824.02	3764437.20	20.42479	(16062624)	447841.61	
3764437.87	20.18606	(13080424)			
447861.72	3764437.53	20.15044	(14082605)	447881.66	
3764435.18	20.15790	(14082605)			

447902.78	3764436.19	19.91673	(14082605)	447920.87
3764435.35	19.89574	(16062702)		
447942.16	3764435.35	19.81557	(16062702)	447962.77
3764434.85	19.56412	(14053003)		
447980.70	3764435.18	19.38095	(14053003)	448004.66
3764435.18	19.20847	(13072124)		
448021.25	3764434.68	18.68996	(13072124)	447662.70
3764379.63	22.13026	(13082502)		
447681.30	3764320.98	22.97766	(15101706)	447682.64
3764285.79	22.80057	(16072903)		
447662.53	3764238.37	22.62946	(15101706)	447661.70
3764207.37	22.43994	(16102718)		
447683.14	3764162.29	21.90316	(16102718)	447680.97
3764145.87	21.73189	(16102718)		
447679.63	3764130.28	21.48578	(16102718)	447680.80
3764112.02	21.28056	(13071405)		
447681.47	3764096.43	21.34651	(13071405)	447680.80
3764078.84	21.57107	(13071405)		
447679.96	3764064.26	21.93669	(13071405)	447680.97
3764045.82	22.44492	(13071405)		
447680.63	3764029.74	22.93850	(13071405)	447657.17
3763992.03	23.87628	(13071405)		
447656.33	3763967.06	24.84310	(13071405)	447657.17
3763928.69	26.06295	(13071405)		
447657.17	3763902.21	27.08767	(12081701)	447657.51
3763869.03	27.91199	(12081701)		
447656.16	3763834.94	29.24617	(12081701)	447655.93
3763808.27	30.76597	(12092201)		
447657.09	3763786.00	32.00789	(12092201)	447701.21
3763782.14	31.28059	(14082923)		
447856.92	3763749.71	21.29716	(13062724)	447854.99
3763730.13	21.53075	(14022018)		
447854.35	3763698.35	21.94932	(15080604)	447855.31
3763676.84	22.17546	(15080604)		
447675.51	3763287.46	62.41457	(13082622)	448481.33
3763485.29	12.57100	(12081324)		
448479.95	3763195.53	10.80308	(15101322)	448478.56
3762907.16	10.73117	(15082521)		
448497.89	3762714.10	9.92376	(15091223)	448507.91
3762487.71	9.23451	(15082624)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 266

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 3CON ***
INCLUDING SOURCE(S): L0000234 , L0000235 ,
L0000236 , L0000237 , L0000238 ,
L0000239 , L0000240 , L0000241 , L0000242 , L0000243 ,
L0000244 , L0000245 , L0000246 ,
L0000247 , L0000248 , L0000249 , L0000250 , L0000251 ,
L0000252 , L0000253 , L0000254 ,
L0000255 , L0000256 , L0000257 , L0000258 , L0000259 ,
L0000260 , L0000261 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M)
(M) CONC (YYMMDDHH)

448480.49	3762357.96	8.94401	(15082623)	448462.73
3762339.82	8.88069	(15082623)		
448464.47	3762265.93	8.72816	(12080622)	448461.57
3762165.17	8.08376	(15102521)		
448472.57	3762064.71	7.59123	(13042022)	448460.48
3762016.72	7.45206	(13042022)		
448234.63	3761951.18	8.30301	(12071323)	448081.42
3761952.78	10.70852	(12121716)		
448025.53	3761955.99	12.00658	(12121716)	447506.75
3761967.63	11.52970	(13050222)		
447269.29	3761967.74	11.41486	(15092103)	447389.46
3761908.79	10.70829	(12112321)		
447019.14	3761964.34	10.69491	(15090901)	447060.33
3761963.58	10.82805	(16091922)		
446975.31	3761963.20	10.53693	(15090901)	446940.92
3761953.76	10.16343	(13083002)		
446865.72	3761974.54	10.01690	(16061824)	446795.06
3761957.91	9.53630	(12100123)		
446757.65	3761965.85	9.36534	(12082901)	446709.33
3761967.74	9.08586	(12091405)		
446796.42	3762028.62	10.11612	(12082901)	446796.97
3762045.28	10.24032	(12082901)		
446796.70	3762089.51	10.64925	(12091405)	446796.15
3762105.89	10.82054	(12091405)		
446796.70	3762137.29	11.14414	(12091505)	446796.15
3762153.39	11.30811	(12091505)		
446772.40	3762215.37	11.79660	(16102021)	446795.06
3762321.03	13.18480	(15092006)		
446796.42	3762450.98	14.93644	(16092702)	446796.42
3762471.18	15.32859	(15090904)		
446797.24	3762496.03	15.72637	(15090904)	446798.06
3762516.51	15.97115	(15090904)		
446797.79	3762539.98	16.10232	(15090904)	446797.52
3762560.19	16.39413	(14091405)		
446798.61	3762584.76	16.80873	(15090903)	446798.06
3762604.42	17.18724	(15090903)		
446799.70	3762654.11	18.05592	(15100921)	446799.97
3762674.58	18.24045	(15100921)		
446800.25	3762700.25	18.30788	(14080302)	446800.25
3762721.27	18.40895	(15101023)		
446799.97	3762735.74	18.59712	(15101023)	446797.79
3762748.02	18.64107	(15101023)		
446802.16	3762913.47	19.71959	(14051523)	446802.16
3762932.58	19.81898	(14051523)		
446802.43	3762949.24	19.82045	(14051523)	446802.98
3762967.26	19.83283	(14011518)		
446802.70	3762986.09	19.96861	(14011518)	446802.16
3763003.29	20.06693	(16021518)		
446802.16	3763021.86	20.12760	(16021518)	446802.70
3763040.70	20.10358	(16021518)		
446802.98	3763059.26	19.96417	(16021518)	446803.52
3763077.01	19.75643	(15090905)		
446756.29	3763085.26	18.36841	(15090905)	446807.68
3763646.39	17.71376	(14100721)		
446808.32	3763674.66	17.24629	(15092021)	446807.68
3763694.57	16.95460	(15092021)		
446808.32	3763710.63	17.03144	(15060921)	446808.32
3763726.37	16.96005	(15060921)		
446808.00	3763742.11	16.81346	(15060921)	446808.32
3763756.89	16.65293	(15060921)		
446808.64	3763798.32	16.57190	(15062722)	446810.25
3764484.08	16.68728	(12072004)		
446781.34	3764475.08	16.56710	(15071803)	446722.56
3764455.81	16.51249	(13090423)		

446170.32	3764559.79	12.74176	(13062901)	446872.29
3763190.26	21.96726	(15032622)		
446925.22	3763179.19	24.29617	(15090905)	446984.86
3763194.88	27.33672	(15090905)		
447010.56	3763193.28	29.25323	(15090905)	447036.58
3763193.60	31.44541	(15090905)		
447053.61	3763193.28	33.11131	(15090905)	447076.42
3763192.31	35.68815	(15090905)		
447093.45	3763192.63	37.89383	(15090905)	447122.05
3763192.63	42.30530	(15090905)		
447138.75	3763192.31	45.42598	(15090905)	447167.99
3763192.31	54.43868	(12110208)		
447170.68	3763172.18	54.32049	(16021518)	447170.41
3763158.25	55.06242	(16021518)		
447169.31	3763144.87	54.42812	(14011518)	447147.46
3763107.45	49.50001	(14051523)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

PAGE 267

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 3CON ***

INCLUDING SOURCE(S): L0000234 , L0000235 ,
L0000236 , L0000237 , L0000238 ,
L0000239 , L0000240 , L0000241 , L0000242 , L0000243 ,
L0000244 , L0000245 , L0000246 ,
L0000247 , L0000248 , L0000249 , L0000250 , L0000251 ,
L0000252 , L0000253 , L0000254 ,
L0000255 , L0000256 , L0000257 , L0000258 , L0000259 ,
L0000260 , L0000261 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	48.71822	(14051602)	447146.92	
3763064.30	48.35804	(15100919)			
447149.92	3763038.90	48.95219	(15100919)	447148.56	
3763019.78	47.76331	(15101023)			
447148.56	3762997.39	47.47004	(15032622)	447206.08	
3762958.49	78.64223	(12110208)			
447209.33	3762922.51	65.30289	(12110208)	447208.40	
3762890.70	58.31401	(14051523)			
447145.83	3762888.87	43.12045	(15090903)	447122.55	
3762889.07	39.90709	(15090903)			
447094.33	3762890.05	36.53749	(15100921)	447071.04	
3762890.45	34.09152	(15100921)			
447043.61	3762889.66	31.76136	(15100919)	447017.76	
3762888.87	29.87149	(15100919)			
446992.11	3762889.07	28.16620	(15100919)	446964.28	
3762888.28	26.43872	(15100919)			
446940.41	3762888.47	25.06324	(14100401)	446911.20	
3762888.08	23.63624	(14100401)			
446885.35	3762889.66	22.44316	(14100401)	446862.07	
3762888.87	21.54673	(14051602)			
446871.45	3762779.57	21.35483	(15101023)	446926.31	
3762768.72	23.65222	(15100921)			

446983.74	3762774.24	26.71276	(15100921)	447009.00
3762774.05	28.04830	(15100921)		
447030.51	3762774.44	29.28490	(15090903)	447055.37
3762774.05	30.76301	(14091405)		
447076.88	3762774.24	32.67580	(15090904)	447101.16
3762774.44	34.92297	(15090904)		
447123.85	3762774.05	36.94733	(16092702)	447148.12
3762775.03	39.76777	(12091503)		
447170.23	3762774.84	42.26306	(15092006)	447196.78
3762775.48	46.08076	(15090902)		
447242.12	3762776.57	53.85488	(12082901)	447262.33
3762776.03	57.57705	(13083002)		
447294.56	3762776.30	62.69978	(16091922)	447313.13
3762775.48	64.94289	(14090704)		
447313.40	3762749.53	57.58236	(14090704)	447327.86
3762713.09	50.59556	(15092103)		
447327.36	3762679.87	44.72059	(15092103)	447327.74
3762657.02	41.47760	(15092103)		
447327.28	3762636.82	38.93717	(15092103)	447327.51
3762612.90	36.27669	(15092103)		
447327.28	3762592.24	34.26966	(15092103)	447327.04
3762569.71	32.29966	(15092103)		
447327.28	3762547.89	30.57625	(15092103)	447326.58
3762524.67	28.90948	(15092103)		
447326.58	3762506.09	27.68240	(15092103)	447327.51
3762477.53	25.92170	(15092103)		
447325.88	3762454.31	24.64238	(15092103)	447225.58
3762432.95	22.44156	(16091922)		
447200.27	3762430.63	22.14996	(16091922)	447156.85
3762430.16	21.57333	(15090901)		
447131.77	3762430.86	20.97720	(13083002)	447102.74
3762430.63	20.26364	(16061824)		
447079.06	3762430.86	19.83882	(16061824)	447034.94
3762433.65	19.07627	(12082901)		
446995.47	3762433.65	18.19598	(12091405)	446972.71
3762434.34	17.75590	(12091505)		
446941.37	3762434.58	17.26345	(16102021)	446916.06
3762436.90	16.77551	(16102021)		
446876.35	3762436.90	16.08721	(12091503)	446848.85
3762647.05	19.12564	(15090903)		
446848.85	3762563.17	17.75599	(15090904)	446849.17
3762509.82	16.86772	(15090904)		
446849.17	3762455.82	15.98508	(12091503)	446848.85
3762702.00	20.03797	(15100921)		
446849.49	3762754.71	20.30058	(15101023)	446739.81
3762428.53	13.87535	(15090904)		
446711.81	3762423.61	13.41497	(15090904)	446687.25
3762416.25	12.95668	(15090904)		
446662.20	3762412.32	12.49688	(15090904)	446636.17
3762403.97	12.06991	(16111022)		
449981.72	3762732.45	3.61868	(14082722)	446486.82
3762231.95	9.51709	(15090904)		
446261.97	3762068.01	7.27258	(16111022)	446443.15
3762291.63	9.45827	(14051524)		
446071.80	3762055.49	6.40694	(15090903)	446072.08
3761983.13	6.14185	(12100204)		
446138.18	3762002.17	6.44810	(14091405)	445884.94
3762039.75	5.75450	(15100921)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich

Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 4BBREAT ***
 INCLUDING SOURCE(S): 4BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	17.28495	(12080823)	447375.98	
3764150.98	18.27355	(15092506)			
447389.75	3764043.04	18.59021	(16062624)	447450.16	
3764031.05	18.12983	(14082605)			
447410.18	3764019.05	18.33987	(16040803)	446891.90	
3764451.22	16.69887	(12082822)			
446959.28	3764451.22	16.38430	(12080905)	446995.28	
3764468.13	16.62251	(12080905)			
447007.41	3764467.30	16.64037	(12080905)	447023.51	
3764466.09	16.49367	(12080905)			
447036.59	3764466.21	16.31347	(15092701)	447052.68	
3764465.61	16.53458	(15092701)			
447066.60	3764465.73	16.63055	(15092701)	447099.65	
3764456.17	16.70357	(12080824)			
447145.28	3764468.27	16.35291	(12090802)	447175.54	
3764468.03	15.95630	(12090802)			
447205.32	3764468.27	16.04417	(16102922)	447232.43	
3764467.55	16.33664	(16102922)			
447264.02	3764467.30	16.43706	(16102922)	447294.77	
3764466.94	16.47472	(13082502)			
447364.97	3764456.41	16.45804	(16072903)	447406.61	
3764460.65	16.34551	(12080823)			
447441.47	3764460.04	16.20372	(15092506)	447466.88	
3764460.20	16.12350	(15092506)			
447490.00	3764460.56	16.04587	(13082404)	447515.50	
3764460.40	15.76095	(13082404)			
447573.06	3764454.29	15.33270	(13012418)	447598.49	
3764445.22	15.47840	(13090302)			
447652.90	3764439.70	15.68240	(14082502)	447692.92	
3764439.51	15.68131	(15080603)			
447713.82	3764439.11	15.55992	(15080603)	447731.95	
3764438.72	15.56532	(15092823)			
447751.07	3764438.72	15.48372	(15092823)	447768.82	
3764437.53	15.52021	(15062204)			
447789.12	3764437.73	15.54237	(15062204)	447805.68	
3764437.34	15.41892	(15062204)			
447824.02	3764437.20	15.28555	(12083101)	447841.61	
3764437.87	15.19934	(15062503)			
447861.72	3764437.53	15.22249	(15062503)	447881.66	
3764435.18	15.22038	(13081801)			
447902.78	3764436.19	15.26382	(13081801)	447920.87	
3764435.35	15.20052	(13081801)			
447942.16	3764435.35	14.98292	(13081801)	447962.77	
3764434.85	14.81248	(15080404)			
447980.70	3764435.18	14.66514	(15080404)	448004.66	
3764435.18	14.56964	(12060105)			
448021.25	3764434.68	14.39055	(15081804)	447662.70	
3764379.63	16.49843	(15080603)			
447681.30	3764320.98	16.88032	(15092823)	447682.64	
3764285.79	16.75194	(15092823)			
447662.53	3764238.37	16.71850	(15092823)	447661.70	
3764207.37	16.63765	(15062204)			
447683.14	3764162.29	16.44635	(13012218)	447680.97	

3764145.87	16.45795	(13012218)		
447679.63	3764130.28	16.43619	(13012218)	447680.80
3764112.02	16.40384	(13012218)		
447681.47	3764096.43	16.42685	(13012218)	447680.80
3764078.84	16.50140	(13072124)		
447679.96	3764064.26	16.66844	(15062503)	447680.97
3764045.82	16.92158	(15062503)		
447680.63	3764029.74	17.14034	(15062503)	447657.17
3763992.03	17.57859	(15062503)		
447656.33	3763967.06	17.95386	(15062503)	447657.17
3763928.69	18.50732	(12071205)		
447657.17	3763902.21	18.88996	(12071205)	447657.51
3763869.03	19.11127	(15080404)		
447656.16	3763834.94	19.65120	(15080404)	447655.93
3763808.27	20.10271	(15101323)		
447657.09	3763786.00	20.54924	(15101323)	447701.21
3763782.14	20.36307	(15081804)		
447856.92	3763749.71	18.19846	(14092605)	447854.99
3763730.13	18.37736	(14092605)		
447854.35	3763698.35	18.52950	(14092605)	447855.31
3763676.84	18.59026	(14081404)		
447675.51	3763287.46	23.43762	(13072204)	448481.33
3763485.29	14.83631	(16081404)		
448479.95	3763195.53	14.07497	(12081224)	448478.56
3762907.16	12.67298	(14070803)		
448497.89	3762714.10	12.02165	(15100920)	448507.91
3762487.71	7.35059	(15101322)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 269

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 4BBREAT ***
INCLUDING SOURCE(S): 4BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	7.57306	(14081724)	448462.73	
3762339.82	7.72923	(15082823)			
448464.47	3762265.93	7.67239	(15120817)	448461.57	
3762165.17	7.63396	(15092523)			
448472.57	3762064.71	7.59129	(15082521)	448460.48	
3762016.72	7.56909	(15082521)			
448234.63	3761951.18	8.95200	(14091905)	448081.42	
3761952.78	10.46805	(15101802)			
448025.53	3761955.99	11.14494	(15091223)	447506.75	
3761967.63	22.98929	(14110518)			
447269.29	3761967.74	35.67686	(13042022)	447389.46	
3761908.79	26.10097	(12080622)			
447019.14	3761964.34	73.69829	(12121716)	447060.33	
3761963.58	102.28442	(12121716)			
446975.31	3761963.20	56.73025	(13013119)	446940.92	
3761953.76	56.72600	(15103022)			
446865.72	3761974.54	63.27960	(15101301)	446795.06	
3761957.91	57.49570	(14090704)			

446757.65	3761965.85	57.24531	(15090901)	446709.33
3761967.74	53.39096	(16061824)		
446796.42	3762028.62	76.40924	(16091922)	446796.97
3762045.28	82.86903	(16091922)		
446796.70	3762089.51	104.79878	(15090901)	446796.15
3762105.89	114.67407	(15090901)		
446796.70	3762137.29	137.24311	(13082603)	446796.15
3762153.39	165.57356	(13020917)		
446772.40	3762215.37	210.09500	(15090922)	446795.06
3762321.03	710.40064	(12110208)		
446796.42	3762450.98	287.37614	(12101117)	446796.42
3762471.18	235.10250	(12101117)		
446797.24	3762496.03	168.65080	(12101117)	446798.06
3762516.51	138.81943	(14091520)		
446797.79	3762539.98	119.48855	(14091320)	446797.52
3762560.19	105.46570	(16022318)		
446798.61	3762584.76	91.26619	(16022318)	446798.06
3762604.42	82.52569	(15060923)		
446799.70	3762654.11	66.41079	(15100501)	446799.97
3762674.58	100.73485	(13082623)		
446800.25	3762700.25	94.81521	(13082623)	446800.25
3762721.27	88.61676	(12081523)		
446799.97	3762735.74	84.62654	(12081523)	446797.79
3762748.02	81.25670	(12081523)		
446802.16	3762913.47	50.80089	(16072222)	446802.16
3762932.58	48.59402	(16072222)		
446802.43	3762949.24	46.77605	(16072222)	446802.98
3762967.26	44.90610	(16072222)		
446802.70	3762986.09	43.48350	(12092722)	446802.16
3763003.29	42.61381	(12092722)		
446802.16	3763021.86	41.74959	(12092722)	446802.70
3763040.70	40.96530	(12092722)		
446802.98	3763059.26	40.18292	(12092722)	446803.52
3763077.01	39.28918	(12092722)		
446756.29	3763085.26	36.45794	(12081301)	446807.68
3763646.39	24.68093	(15062704)		
446808.32	3763674.66	24.08893	(15083004)	446807.68
3763694.57	23.77791	(15083004)		
446808.32	3763710.63	23.46478	(15083004)	446808.32
3763726.37	23.16330	(15083004)		
446808.00	3763742.11	22.81177	(15083004)	446808.32
3763756.89	22.50168	(15083004)		
446808.64	3763798.32	21.98687	(15083004)	446810.25
3764484.08	16.09620	(12081904)		
446781.34	3764475.08	16.38160	(15083004)	446722.56
3764455.81	16.44563	(13090206)		
446170.32	3764559.79	14.77368	(14022020)	446872.29
3763190.26	38.29851	(12083004)		
446925.22	3763179.19	38.46598	(16100305)	446984.86
3763194.88	37.38940	(13082522)		
447010.56	3763193.28	37.72113	(12090506)	447036.58
3763193.60	37.69034	(12091005)		
447053.61	3763193.28	37.23391	(12091005)	447076.42
3763192.31	37.20419	(16102718)		
447093.45	3763192.63	37.25043	(12080823)	447122.05
3763192.63	36.46223	(15092424)		
447138.75	3763192.31	35.57241	(13080424)	447167.99
3763192.31	35.42101	(12092201)		
447170.68	3763172.18	36.21933	(12092201)	447170.41
3763158.25	36.67894	(12092201)		
447169.31	3763144.87	37.39500	(12092201)	447147.46
3763107.45	40.58557	(12092201)		

*** AERMOT - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 4BBREAT ***
 INCLUDING SOURCE(S): 4BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	41.88664	(12092201)	447146.92	
3763064.30	42.60857	(12092201)			
447149.92	3763038.90	43.06007	(16062702)	447148.56	
3763019.78	43.94970	(16062702)			
447148.56	3762997.39	44.52023	(16062702)	447206.08	
3762958.49	43.06038	(13082201)			
447209.33	3762922.51	44.41192	(13082201)	447208.40	
3762890.70	46.72044	(14070503)			
447145.83	3762888.87	49.76364	(12100404)	447122.55	
3762889.07	50.60889	(12052204)			
447094.33	3762890.05	51.85496	(12092201)	447071.04	
3762890.45	53.35054	(12092201)			
447043.61	3762889.66	54.05341	(12081701)	447017.76	
3762888.87	55.20133	(16102718)			
446992.11	3762889.07	55.91960	(12091005)	446964.28	
3762888.28	56.79358	(14080321)			
446940.41	3762888.47	56.76864	(13082522)	446911.20	
3762888.08	55.84858	(12080602)			
446885.35	3762889.66	55.55020	(15082606)	446862.07	
3762888.87	56.36815	(13090301)			
446871.45	3762779.57	76.16250	(13090301)	446926.31	
3762768.72	77.80680	(13082522)			
446983.74	3762774.24	74.00630	(16072701)	447009.00	
3762774.05	72.36800	(12081701)			
447030.51	3762774.44	69.52987	(12081701)	447055.37	
3762774.05	66.36231	(14082923)			
447076.88	3762774.24	65.20854	(15081422)	447101.16	
3762774.44	64.47927	(13102518)			
447123.85	3762774.05	63.01076	(13082201)	447148.12	
3762775.03	61.59547	(12080924)			
447170.23	3762774.84	60.51650	(12080924)	447196.78	
3762775.48	57.00281	(12071403)			
447242.12	3762776.57	53.27470	(13071005)	447262.33	
3762776.03	50.94349	(13072204)			
447294.56	3762776.30	48.56443	(13090722)	447313.13	
3762775.48	47.83580	(13090722)			
447313.40	3762749.53	49.96096	(14083023)	447327.86	
3762713.09	50.62563	(12081804)			
447327.36	3762679.87	32.54497	(15082922)	447327.74	
3762657.02	33.91477	(15082922)			
447327.28	3762636.82	35.05470	(13082723)	447327.51	
3762612.90	36.41540	(15061923)			
447327.28	3762592.24	37.17227	(13070324)	447327.04	
3762569.71	38.68051	(15091222)			
447327.28	3762547.89	39.68518	(13082222)	447326.58	
3762524.67	41.11678	(14090822)			
447326.58	3762506.09	42.02787	(14090822)	447327.51	
3762477.53	43.03070	(12012917)			
447325.88	3762454.31	44.78689	(12012917)	447225.58	

3762432.95	69.97119	(12012917)		
447200.27	3762430.63	78.88356	(12012917)	447156.85
3762430.16	93.92718	(12012917)		
447131.77	3762430.86	100.54670	(12012917)	447102.74
3762430.63	111.93144	(12080921)		
447079.06	3762430.86	127.96671	(15091222)	447034.94
3762433.65	175.57995	(12022817)		
446995.47	3762433.65	291.43087	(16082707)	446972.71
3762434.34	327.66975	(16082707)		
446941.37	3762434.58	435.90226	(14090307)	446916.06
3762436.90	489.07927	(15011116)		
446876.35	3762436.90	484.77604	(13020817)	446848.85
3762647.05	77.09853	(13020817)		
446848.85	3762563.17	123.80400	(13020817)	446849.17
3762509.82	176.54339	(13020817)		
446849.17	3762455.82	266.18694	(15060923)	446848.85
3762702.00	96.67217	(12092722)		
446849.49	3762754.71	81.63456	(16081402)	446739.81
3762428.53	177.26439	(15090824)		
446711.81	3762423.61	146.31656	(13092602)	446687.25
3762416.25	130.41970	(15120517)		
446662.20	3762412.32	112.31571	(12020622)	446636.17
3762403.97	100.25960	(12101719)		
449981.72	3762732.45	2.92122	(16062824)	446486.82
3762231.95	52.03610	(14051523)		
446261.97	3762068.01	25.35321	(15101024)	446443.15
3762291.63	47.17584	(16021518)		
446071.80	3762055.49	17.76883	(12020618)	446072.08
3761983.13	17.17942	(15101024)		
446138.18	3762002.17	19.20458	(15101024)	445884.94
3762039.75	13.51413	(13121117)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 271

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 4BLOAD ***
INCLUDING SOURCE(S): 4BLOAD ,


*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	17.28485	(12080823)	447375.98	
3764150.98	18.27345	(15092506)			
447389.75	3764043.04	18.59012	(16062624)	447450.16	
3764031.05	18.12975	(14082605)			
447410.18	3764019.05	18.33962	(16040803)	446891.90	
3764451.22	16.69877	(12082822)			
446959.28	3764451.22	16.38420	(12080905)	446995.28	
3764468.13	16.62241	(12080905)			
447007.41	3764467.30	16.64027	(12080905)	447023.51	
3764466.09	16.49358	(12080905)			
447036.59	3764466.21	16.31338	(15092701)	447052.68	
3764465.61	16.53447	(15092701)			
447066.60	3764465.73	16.63045	(15092701)	447099.65	
3764456.17	16.70347	(12080824)			

447145.28	3764468.27	16.35281	(12090802)	447175.54
3764468.03	15.95621	(12090802)		
447205.32	3764468.27	16.04407	(16102922)	447232.43
3764467.55	16.33654	(16102922)		
447264.02	3764467.30	16.43696	(16102922)	447294.77
3764466.94	16.47462	(13082502)		
447364.97	3764456.41	16.45793	(16072903)	447406.61
3764460.65	16.34541	(12080823)		
447441.47	3764460.04	16.20362	(15092506)	447466.88
3764460.20	16.12340	(15092506)		
447490.00	3764460.56	16.04569	(13082404)	447515.50
3764460.40	15.76078	(13082404)		
447573.06	3764454.29	15.33246	(13012418)	447598.49
3764445.22	15.47830	(13090302)		
447652.90	3764439.70	15.68229	(14082502)	447692.92
3764439.51	15.68121	(15080603)		
447713.82	3764439.11	15.55982	(15080603)	447731.95
3764438.72	15.56521	(15092823)		
447751.07	3764438.72	15.48361	(15092823)	447768.82
3764437.53	15.52003	(15062204)		
447789.12	3764437.73	15.54219	(15062204)	447805.68
3764437.34	15.41875	(15062204)		
447824.02	3764437.20	15.28544	(12083101)	447841.61
3764437.87	15.19918	(15062503)		
447861.72	3764437.53	15.22232	(15062503)	447881.66
3764435.18	15.22028	(13081801)		
447902.78	3764436.19	15.26372	(13081801)	447920.87
3764435.35	15.20041	(13081801)		
447942.16	3764435.35	14.98282	(13081801)	447962.77
3764434.85	14.81238	(15080404)		
447980.70	3764435.18	14.66505	(15080404)	448004.66
3764435.18	14.56937	(12060105)		
448021.25	3764434.68	14.39046	(15081804)	447662.70
3764379.63	16.49832	(15080603)		
447681.30	3764320.98	16.88020	(15092823)	447682.64
3764285.79	16.75184	(15092823)		
447662.53	3764238.37	16.71840	(15092823)	447661.70
3764207.37	16.63750	(15062204)		
447683.14	3764162.29	16.44627	(13012218)	447680.97
3764145.87	16.45787	(13012218)		
447679.63	3764130.28	16.43611	(13012218)	447680.80
3764112.02	16.40377	(13012218)		
447681.47	3764096.43	16.42677	(13012218)	447680.80
3764078.84	16.50132	(13072124)		
447679.96	3764064.26	16.66831	(15062503)	447680.97
3764045.82	16.92145	(15062503)		
447680.63	3764029.74	17.14021	(15062503)	447657.17
3763992.03	17.57846	(15062503)		
447656.33	3763967.06	17.95373	(15062503)	447657.17
3763928.69	18.50724	(12071205)		
447657.17	3763902.21	18.88988	(12071205)	447657.51
3763869.03	19.11119	(15080404)		
447656.16	3763834.94	19.65111	(15080404)	447655.93
3763808.27	20.10262	(15101323)		
447657.09	3763786.00	20.54914	(15101323)	447701.21
3763782.14	20.36297	(15081804)		
447856.92	3763749.71	18.19839	(14092605)	447854.99
3763730.13	18.37729	(14092605)		
447854.35	3763698.35	18.52943	(14092605)	447855.31
3763676.84	18.59015	(14081404)		
447675.51	3763287.46	23.43758	(13072204)	448481.33
3763485.29	14.83625	(16081404)		
448479.95	3763195.53	14.07494	(12081224)	448478.56
3762907.16	12.67299	(14070803)		
448497.89	3762714.10	12.02166	(15100920)	448507.91
3762487.71	7.35055	(15101322)		

3762967.26	44.90623	(16072222)		
446802.70	3762986.09	43.48356	(12092722)	446802.16
3763003.29	42.61386	(12092722)		
446802.16	3763021.86	41.74962	(12092722)	446802.70
3763040.70	40.96532	(12092722)		
446802.98	3763059.26	40.18293	(12092722)	446803.52
3763077.01	39.28918	(12092722)		
446756.29	3763085.26	36.45801	(12081301)	446807.68
3763646.39	24.68085	(15062704)		
446808.32	3763674.66	24.08887	(15083004)	446807.68
3763694.57	23.77784	(15083004)		
446808.32	3763710.63	23.46472	(15083004)	446808.32
3763726.37	23.16323	(15083004)		
446808.00	3763742.11	22.81170	(15083004)	446808.32
3763756.89	22.50162	(15083004)		
446808.64	3763798.32	21.98680	(15083004)	446810.25
3764484.08	16.09610	(12081904)		
446781.34	3764475.08	16.38150	(15083004)	446722.56
3764455.81	16.44553	(13090206)		
446170.32	3764559.79	14.77359	(14022020)	446872.29
3763190.26	38.29846	(12083004)		
446925.22	3763179.19	38.46584	(16100305)	446984.86
3763194.88	37.38936	(13082522)		
447010.56	3763193.28	37.72108	(12090506)	447036.58
3763193.60	37.69029	(12091005)		
447053.61	3763193.28	37.23386	(12091005)	447076.42
3763192.31	37.20413	(16102718)		
447093.45	3763192.63	37.25040	(12080823)	447122.05
3763192.63	36.46218	(15092424)		
447138.75	3763192.31	35.57238	(13080424)	447167.99
3763192.31	35.42096	(12092201)		
447170.68	3763172.18	36.21928	(12092201)	447170.41
3763158.25	36.67890	(12092201)		
447169.31	3763144.87	37.39495	(12092201)	447147.46
3763107.45	40.58552	(12092201)		

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 273

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 4BLOAD ***
 INCLUDING SOURCE(S): 4BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	41.88658	(12092201)	447146.92	
3763064.30	42.60852	(12092201)			
447149.92	3763038.90	43.06007	(16062702)	447148.56	
3763019.78	43.94971	(16062702)			
447148.56	3762997.39	44.52027	(16062702)	447206.08	
3762958.49	43.06037	(13082201)			
447209.33	3762922.51	44.41192	(13082201)	447208.40	
3762890.70	46.72044	(14070503)			
447145.83	3762888.87	49.76382	(12100404)	447122.55	
3762889.07	50.60906	(12052204)			

447094.33	3762890.05	51.85507	(12092201)	447071.04
3762890.45	53.35064	(12092201)		
447043.61	3762889.66	54.05339	(12081701)	447017.76
3762888.87	55.20143	(16102718)		
446992.11	3762889.07	55.91972	(12091005)	446964.28
3762888.28	56.79361	(14080321)		
446940.41	3762888.47	56.76877	(13082522)	446911.20
3762888.08	55.84863	(12080602)		
446885.35	3762889.66	55.55024	(15082606)	446862.07
3762888.87	56.36818	(13090301)		
446871.45	3762779.57	76.16253	(13090301)	446926.31
3762768.72	77.80700	(13082522)		
446983.74	3762774.24	74.00630	(16072701)	447009.00
3762774.05	72.36800	(12081701)		
447030.51	3762774.44	69.52991	(12081701)	447055.37
3762774.05	66.36241	(14082923)		
447076.88	3762774.24	65.20853	(15081422)	447101.16
3762774.44	64.47931	(13102518)		
447123.85	3762774.05	63.01082	(13082201)	447148.12
3762775.03	61.59551	(12080924)		
447170.23	3762774.84	60.51653	(12080924)	447196.78
3762775.48	57.00283	(12071403)		
447242.12	3762776.57	53.27477	(13071005)	447262.33
3762776.03	50.94365	(13072204)		
447294.56	3762776.30	48.56447	(13090722)	447313.13
3762775.48	47.83583	(13090722)		
447313.40	3762749.53	49.96106	(14083023)	447327.86
3762713.09	50.62568	(12081804)		
447327.36	3762679.87	32.54481	(15082922)	447327.74
3762657.02	33.91461	(15082922)		
447327.28	3762636.82	35.05452	(13082723)	447327.51
3762612.90	36.41522	(15061923)		
447327.28	3762592.24	37.17209	(13070324)	447327.04
3762569.71	38.68032	(15091222)		
447327.28	3762547.89	39.68497	(13082222)	447326.58
3762524.67	41.11658	(14090822)		
447326.58	3762506.09	42.02766	(14090822)	447327.51
3762477.53	43.03072	(12012917)		
447325.88	3762454.31	44.78691	(12012917)	447225.58
3762432.95	69.97122	(12012917)		
447200.27	3762430.63	78.88358	(12012917)	447156.85
3762430.16	93.92719	(12012917)		
447131.77	3762430.86	100.54668	(12012917)	447102.74
3762430.63	111.93094	(12080921)		
447079.06	3762430.86	127.96610	(15091222)	447034.94
3762433.65	175.53677	(12022817)		
446995.47	3762433.65	291.70574	(16082707)	446972.71
3762434.34	327.94145	(16082707)		
446941.37	3762434.58	435.90217	(14090307)	446916.06
3762436.90	489.75229	(15011116)		
446876.35	3762436.90	484.04959	(13020817)	446848.85
3762647.05	77.05902	(13020817)		
446848.85	3762563.17	123.71766	(13020817)	446849.17
3762509.82	176.38401	(13020817)		
446849.17	3762455.82	266.18581	(15060923)	446848.85
3762702.00	96.67225	(12092722)		
446849.49	3762754.71	81.63473	(16081402)	446739.81
3762428.53	177.26354	(15090824)		
446711.81	3762423.61	146.31447	(13092602)	446687.25
3762416.25	130.41907	(15120517)		
446662.20	3762412.32	112.31413	(12020622)	446636.17
3762403.97	100.25919	(12101719)		
449981.72	3762732.45	2.92121	(16062824)	446486.82
3762231.95	52.03581	(14051523)		
446261.97	3762068.01	25.35310	(15101024)	446443.15
3762291.63	47.17559	(16021518)		

446071.80 3762055.49 17.76869 (12020618) 446072.08
 3761983.13 17.17934 (15101024)
 446138.18 3762002.17 19.20450 (15101024) 445884.94
 3762039.75 13.51402 (13121117)

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 274

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 4BREF ***
 INCLUDING SOURCE(S): 4BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	22.49222	(12080823)	447375.98	
3764150.98	23.43874	(16062624)			
447389.75	3764043.04	23.18380	(13080424)	447450.16	
3764031.05	22.95907	(14082605)			
447410.18	3764019.05	23.04182	(13111504)	446891.90	
3764451.22	21.63198	(12102719)			
446959.28	3764451.22	21.47368	(12080905)	446995.28	
3764468.13	21.51993	(12080905)			
447007.41	3764467.30	21.29104	(12080905)	447023.51	
3764466.09	20.99799	(15092701)			
447036.59	3764466.21	21.33503	(15092701)	447052.68	
3764465.61	21.55299	(15092701)			
447066.60	3764465.73	21.53052	(12080824)	447099.65	
3764456.17	21.92453	(12080824)			
447145.28	3764468.27	21.34319	(12090802)	447175.54	
3764468.03	20.75090	(12090506)			
447205.32	3764468.27	20.74685	(16102922)	447232.43	
3764467.55	21.00712	(15090723)			
447264.02	3764467.30	21.63772	(13082502)	447294.77	
3764466.94	21.90801	(13082502)			
447364.97	3764456.41	21.81692	(16072903)	447406.61	
3764460.65	21.62037	(12080823)			
447441.47	3764460.04	21.40626	(15092506)	447466.88	
3764460.20	21.32004	(16062624)			
447490.00	3764460.56	21.01310	(16062624)	447515.50	
3764460.40	20.41326	(16040803)			
447573.06	3764454.29	19.68718	(14082605)	447598.49	
3764445.22	19.97862	(14082605)			
447652.90	3764439.70	20.63059	(15080603)	447692.92	
3764439.51	20.44769	(15080603)			
447713.82	3764439.11	20.31296	(14053003)	447731.95	
3764438.72	20.17576	(14053003)			
447751.07	3764438.72	20.30808	(15062204)	447768.82	
3764437.53	20.29055	(15062204)			
447789.12	3764437.73	20.26816	(13012218)	447805.68	
3764437.34	20.29885	(13012218)			
447824.02	3764437.20	20.20829	(15062503)	447841.61	
3764437.87	20.29060	(15062503)			
447861.72	3764437.53	20.05636	(15062503)	447881.66	
3764435.18	20.16277	(13081801)			
447902.78	3764436.19	19.98528	(13081801)	447920.87	

3764435.35	19.78498	(15080404)		
447942.16	3764435.35	19.72075	(15080404)	447962.77
3764434.85	19.43494	(15101323)		
447980.70	3764435.18	19.45342	(15101323)	448004.66
3764435.18	19.28723	(15081804)		
448021.25	3764434.68	18.99647	(15081804)	447662.70
3764379.63	21.73891	(15080603)		
447681.30	3764320.98	21.93098	(14053003)	447682.64
3764285.79	21.77308	(15062204)		
447662.53	3764238.37	21.52759	(15062204)	447661.70
3764207.37	21.34189	(13010820)		
447683.14	3764162.29	21.16586	(13072124)	447680.97
3764145.87	21.01616	(13072124)		
447679.63	3764130.28	20.79836	(13072124)	447680.80
3764112.02	20.47401	(13072124)		
447681.47	3764096.43	20.45393	(15062503)	447680.80
3764078.84	20.55401	(13071901)		
447679.96	3764064.26	20.72168	(13071901)	447680.97
3764045.82	20.88099	(13071901)		
447680.63	3764029.74	21.22634	(12071205)	447657.17
3763992.03	21.63943	(13071901)		
447656.33	3763967.06	22.27361	(12071205)	447657.17
3763928.69	22.91309	(15080404)		
447657.17	3763902.21	23.57458	(15080404)	447657.51
3763869.03	23.86465	(15101323)		
447656.16	3763834.94	24.78033	(15101323)	447655.93
3763808.27	25.39506	(15101323)		
447657.09	3763786.00	25.91853	(14110620)	447701.21
3763782.14	25.62036	(14022021)		
447856.92	3763749.71	22.36596	(14092605)	447854.99
3763730.13	22.34170	(14081404)		
447854.35	3763698.35	22.59174	(14081404)	447855.31
3763676.84	22.62524	(12080202)		
447675.51	3763287.46	26.25947	(13072204)	448481.33
3763485.29	17.89036	(16081404)		
448479.95	3763195.53	15.75059	(15090623)	448478.56
3762907.16	13.51546	(12081123)		
448497.89	3762714.10	11.85940	(13090106)	448507.91
3762487.71	10.35476	(15101322)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

PAGE 275

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 4BREF ***

INCLUDING SOURCE(S): 4BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	10.63626	(15082823)	448462.73	
3762339.82	10.84649	(15082823)			
448464.47	3762265.93	10.69070	(15120817)	448461.57	
3762165.17	10.67254	(15092523)			
448472.57	3762064.71	10.66055	(15082521)	448460.48	
3762016.72	10.40110	(16072724)			

448234.63	3761951.18	12.45324	(13091422)	448081.42
3761952.78	14.44641	(15101802)		
448025.53	3761955.99	15.45910	(14090824)	447506.75
3761967.63	30.88841	(15082623)		
447269.29	3761967.74	47.32317	(12102620)	447389.46
3761908.79	34.74855	(15102521)		
447019.14	3761964.34	78.81149	(12121716)	447060.33
3761963.58	121.64173	(12121716)		
446975.31	3761963.20	74.99920	(13013119)	446940.92
3761953.76	75.08775	(13093021)		
446865.72	3761974.54	83.40658	(16100624)	446795.06
3761957.91	76.95744	(15090923)		
446757.65	3761965.85	76.43097	(13090502)	446709.33
3761967.74	72.92430	(13083002)		
446796.42	3762028.62	102.16954	(15090923)	446796.97
3762045.28	109.49139	(14100322)		
446796.70	3762089.51	135.44445	(13090502)	446796.15
3762105.89	149.15281	(16091922)		
446796.70	3762137.29	179.59636	(16091922)	446796.15
3762153.39	200.85873	(15090901)		
446772.40	3762215.37	283.93171	(16102021)	446795.06
3762321.03	821.75857	(14011319)		
446796.42	3762450.98	390.89771	(12101117)	446796.42
3762471.18	304.24228	(15030120)		
446797.24	3762496.03	256.63627	(14091520)	446798.06
3762516.51	219.37462	(14091320)		
446797.79	3762539.98	184.59500	(16022318)	446797.52
3762560.19	159.49020	(15060923)		
446798.61	3762584.76	140.38448	(15060923)	446798.06
3762604.42	125.70745	(13122824)		
446799.70	3762654.11	100.30370	(15100501)	446799.97
3762674.58	105.99895	(12091701)		
446800.25	3762700.25	102.87527	(12091701)	446800.25
3762721.27	96.23986	(12091701)		
446799.97	3762735.74	91.42258	(14082205)	446797.79
3762748.02	87.58528	(14082205)		
446802.16	3762913.47	53.50799	(15102420)	446802.16
3762932.58	51.04160	(15102420)		
446802.43	3762949.24	49.00351	(15102420)	446802.98
3762967.26	46.89935	(15102420)		
446802.70	3762986.09	45.33589	(16081904)	446802.16
3763003.29	44.67861	(16081904)		
446802.16	3763021.86	44.09536	(16083002)	446802.70
3763040.70	43.62812	(16083002)		
446802.98	3763059.26	43.09461	(16083002)	446803.52
3763077.01	42.24021	(16083002)		
446756.29	3763085.26	38.48443	(14070401)	446807.68
3763646.39	29.46420	(16101503)		
446808.32	3763674.66	28.86371	(14060204)	446807.68
3763694.57	28.55161	(14060204)		
446808.32	3763710.63	28.21961	(14060204)	446808.32
3763726.37	27.88640	(14060204)		
446808.00	3763742.11	27.46431	(14060204)	446808.32
3763756.89	27.10802	(14060204)		
446808.64	3763798.32	26.64325	(14060204)	446810.25
3764484.08	20.70113	(14060204)		
446781.34	3764475.08	21.02180	(15083004)	446722.56
3764455.81	21.42254	(13090206)		
446170.32	3764559.79	19.52708	(12081001)	446872.29
3763190.26	42.90941	(15082606)		
446925.22	3763179.19	44.29294	(15080524)	446984.86
3763194.88	42.14878	(14080321)		
447010.56	3763193.28	42.66220	(12071222)	447036.58
3763193.60	42.03102	(16081405)		
447053.61	3763193.28	42.07573	(16072701)	447076.42
3763192.31	42.07401	(12082821)		

447093.45	3763192.63	42.49473	(12082923)	447122.05
3763192.63	41.58731	(12081701)		
447138.75	3763192.31	40.89163	(12081701)	447167.99
3763192.31	39.71967	(12092201)		
447170.68	3763172.18	40.08165	(13060205)	447170.41
3763158.25	40.35987	(13060205)		
447169.31	3763144.87	41.04764	(13060205)	447147.46
3763107.45	45.07397	(13060205)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 276

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 4BREF ***
INCLUDING SOURCE(S): 4BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	46.17474	(13060205)	447146.92	
3763064.30	46.99426	(14080405)			
447149.92	3763038.90	47.90038	(14080405)	447148.56	
3763019.78	48.56460	(14080405)			
447148.56	3762997.39	49.32342	(15081422)	447206.08	
3762958.49	45.94191	(13062004)			
447209.33	3762922.51	47.03558	(13062724)	447208.40	
3762890.70	48.99125	(14022018)			
447145.83	3762888.87	52.69945	(12081903)	447122.55	
3762889.07	54.47648	(15081422)			
447094.33	3762890.05	55.25680	(15081422)	447071.04	
3762890.45	56.33183	(14070501)			
447043.61	3762889.66	57.69829	(14080322)	447017.76	
3762888.87	58.85290	(14100220)			
446992.11	3762889.07	59.86676	(12082821)	446964.28	
3762888.28	61.60824	(12071821)			
446940.41	3762888.47	59.69945	(12102718)	446911.20	
3762888.08	59.25927	(16083005)			
446885.35	3762889.66	59.68162	(12082722)	446862.07	
3762888.87	59.64153	(12090503)			
446871.45	3762779.57	81.56284	(14081423)	446926.31	
3762768.72	82.01435	(12071821)			
446983.74	3762774.24	78.92319	(12082821)	447009.00	
3762774.05	76.58303	(13090201)			
447030.51	3762774.44	71.92812	(14073101)	447055.37	
3762774.05	68.94360	(15081422)			
447076.88	3762774.24	67.00294	(12071302)	447101.16	
3762774.44	66.80045	(13081601)			
447123.85	3762774.05	65.04742	(13062724)	447148.12	
3762775.03	63.10902	(14022018)			
447170.23	3762774.84	61.66343	(16060223)	447196.78	
3762775.48	58.53654	(16081205)			
447242.12	3762776.57	55.31530	(15082824)	447262.33	
3762776.03	52.22128	(12080501)			
447294.56	3762776.30	49.63408	(12082001)	447313.13	
3762775.48	48.06536	(12083024)			
447313.40	3762749.53	50.85011	(12080723)	447327.86	

3762713.09	50.42156	(13082224)		
447327.36	3762679.87	45.59887	(15082922)	447327.74
3762657.02	47.06670	(15062822)		
447327.28	3762636.82	48.77444	(15061923)	447327.51
3762612.90	49.95257	(13070324)		
447327.28	3762592.24	51.73922	(15091222)	447327.04
3762569.71	53.06418	(13082222)		
447327.28	3762547.89	54.57756	(12080921)	447326.58
3762524.67	55.97938	(12081902)		
447326.58	3762506.09	57.23127	(14083022)	447327.51
3762477.53	58.89056	(15081221)		
447325.88	3762454.31	60.19467	(15081321)	447225.58
3762432.95	85.24315	(15081321)		
447200.27	3762430.63	93.87932	(15081321)	447156.85
3762430.16	113.15931	(15081221)		
447131.77	3762430.86	126.26873	(12102518)	447102.74
3762430.63	147.33583	(14083022)		
447079.06	3762430.86	168.61619	(14090822)	447034.94
3762433.65	219.70560	(15091222)		
446995.47	3762433.65	289.73901	(15062822)	446972.71
3762434.34	408.39085	(16082707)		
446941.37	3762434.58	480.84633	(16082707)	446916.06
3762436.90	651.88438	(14090307)		
446876.35	3762436.90	665.79191	(15011116)	446848.85
3762647.05	110.95982	(15101219)		
446848.85	3762563.17	173.78303	(15101219)	446849.17
3762509.82	255.64587	(16092019)		
446849.17	3762455.82	448.31152	(15031421)	446848.85
3762702.00	106.02481	(15101219)		
446849.49	3762754.71	89.17245	(16072323)	446739.81
3762428.53	285.52595	(16112718)		
446711.81	3762423.61	235.11259	(13092722)	446687.25
3762416.25	205.96035	(15091505)		
446662.20	3762412.32	177.14149	(12020622)	446636.17
3762403.97	156.59986	(12101719)		
449981.72	3762732.45	4.12482	(15091722)	446486.82
3762231.95	74.94229	(14011319)		
446261.97	3762068.01	35.84005	(12101403)	446443.15
3762291.63	69.08678	(14011518)		
446071.80	3762055.49	25.49016	(12020618)	446072.08
3761983.13	24.36874	(12101403)		
446138.18	3762002.17	27.25609	(16021805)	445884.94
3762039.75	19.47527	(14011319)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 277

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 4BSPILL *** INCLUDING SOURCE(S): 4BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	27.38262	(12080823)	447375.98	
3764150.98	28.38006	(16062624)			

447389.75	3764043.04	28.00125	(13080424)	447450.16
3764031.05	27.67880	(12092201)		
447410.18	3764019.05	27.79646	(15013003)	446891.90
3764451.22	26.33316	(12102719)		
446959.28	3764451.22	26.01356	(12080905)	446995.28
3764468.13	26.13425	(12080905)		
447007.41	3764467.30	25.65358	(12080905)	447023.51
3764466.09	25.48820	(15051420)		
447036.59	3764466.21	25.86167	(15092701)	447052.68
3764465.61	26.24533	(15092701)		
447066.60	3764465.73	26.12386	(15092701)	447099.65
3764456.17	26.76353	(12080824)		
447145.28	3764468.27	25.98739	(12090802)	447175.54
3764468.03	25.37578	(12090506)		
447205.32	3764468.27	25.34227	(13070104)	447232.43
3764467.55	25.69157	(15090723)		
447264.02	3764467.30	26.45219	(13082502)	447294.77
3764466.94	26.84363	(13082502)		
447364.97	3764456.41	26.72420	(16072903)	447406.61
3764460.65	26.46529	(12080823)		
447441.47	3764460.04	26.20046	(15092506)	447466.88
3764460.20	26.09824	(16062624)		
447490.00	3764460.56	25.65568	(16062624)	447515.50
3764460.40	25.00025	(16040803)		
447573.06	3764454.29	23.93115	(14082605)	447598.49
3764445.22	24.42493	(14082605)		
447652.90	3764439.70	25.13009	(15080603)	447692.92
3764439.51	24.90597	(15080603)		
447713.82	3764439.11	24.91102	(14053003)	447731.95
3764438.72	24.66125	(14053003)		
447751.07	3764438.72	24.81221	(15062204)	447768.82
3764437.53	24.77175	(15062204)		
447789.12	3764437.73	24.85968	(13012218)	447805.68
3764437.34	24.93464	(13012218)		
447824.02	3764437.20	24.67728	(15062503)	447841.61
3764437.87	24.89860	(15062503)		
447861.72	3764437.53	24.53040	(15062503)	447881.66
3764435.18	24.68925	(12071205)		
447902.78	3764436.19	24.43338	(12071205)	447920.87
3764435.35	24.23886	(15080404)		
447942.16	3764435.35	24.19105	(15080404)	447962.77
3764434.85	23.81148	(15101323)		
447980.70	3764435.18	23.91224	(15101323)	448004.66
3764435.18	23.49730	(15081804)		
448021.25	3764434.68	23.22755	(15081804)	447662.70
3764379.63	26.58829	(15080603)		
447681.30	3764320.98	26.84139	(14053003)	447682.64
3764285.79	26.51144	(15062204)		
447662.53	3764238.37	26.22227	(13010820)	447661.70
3764207.37	25.96950	(13010820)		
447683.14	3764162.29	25.68516	(13072124)	447680.97
3764145.87	25.43971	(13072124)		
447679.63	3764130.28	25.08949	(13072124)	447680.80
3764112.02	24.62161	(13071901)		
447681.47	3764096.43	24.71096	(13071901)	447680.80
3764078.84	24.83545	(13071901)		
447679.96	3764064.26	25.01663	(13071901)	447680.97
3764045.82	25.13402	(13071901)		
447680.63	3764029.74	25.42485	(12071205)	447657.17
3763992.03	26.01067	(13071901)		
447656.33	3763967.06	26.69640	(12071205)	447657.17
3763928.69	27.42397	(15080404)		
447657.17	3763902.21	28.34060	(15080404)	447657.51
3763869.03	28.58136	(15101323)		
447656.16	3763834.94	29.85825	(15101323)	447655.93
3763808.27	30.60076	(15101323)		

447657.09	3763786.00	31.22735	(14110620)	447701.21
3763782.14	30.88233	(14022021)		
447856.92	3763749.71	26.75431	(14062003)	447854.99
3763730.13	26.61125	(14062003)		
447854.35	3763698.35	26.93889	(14081404)	447855.31
3763676.84	26.84159	(12080202)		
447675.51	3763287.46	30.56900	(16081204)	448481.33
3763485.29	21.34990	(16072803)		
448479.95	3763195.53	18.18600	(15090623)	448478.56
3762907.16	15.27308	(12081123)		
448497.89	3762714.10	13.14079	(12083121)	448507.91
3762487.71	12.92941	(15101322)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 278

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 4BSPILL ***
 INCLUDING SOURCE(S): 4BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	13.24348	(15082823)	448462.73	
3762339.82	13.53730	(15082823)			
448464.47	3762265.93	13.29661	(15120817)	448461.57	
3762165.17	13.30947	(15092523)			
448472.57	3762064.71	13.31393	(15082521)	448460.48	
3762016.72	12.98882	(16072724)			
448234.63	3761951.18	15.57416	(13091422)	448081.42	
3761952.78	17.94607	(15101802)			
448025.53	3761955.99	19.27609	(14090824)	447506.75	
3761967.63	38.49272	(15110120)			
447269.29	3761967.74	58.90259	(12102620)	447389.46	
3761908.79	43.11689	(14041902)			
447019.14	3761964.34	89.95870	(16021520)	447060.33	
3761963.58	143.81329	(12121716)			
446975.31	3761963.20	93.29084	(13013119)	446940.92	
3761953.76	93.16241	(13093021)			
446865.72	3761974.54	103.60020	(16100624)	446795.06	
3761957.91	95.20048	(15090923)			
446757.65	3761965.85	94.93014	(13090502)	446709.33	
3761967.74	90.14068	(13082603)			
446796.42	3762028.62	126.69632	(15090923)	446796.97	
3762045.28	135.72771	(14100322)			
446796.70	3762089.51	167.16140	(13090502)	446796.15	
3762105.89	184.44753	(13090502)			
446796.70	3762137.29	221.33965	(16091922)	446796.15	
3762153.39	247.84617	(15090901)			
446772.40	3762215.37	349.55280	(16102021)	446795.06	
3762321.03	997.86983	(14011319)			
446796.42	3762450.98	458.29566	(15031223)	446796.42	
3762471.18	373.01104	(15030120)			
446797.24	3762496.03	315.18699	(14091520)	446798.06	
3762516.51	269.18077	(14091320)			
446797.79	3762539.98	226.53255	(16022318)	446797.52	

3762560.19	195.39870	(15060923)		
446798.61	3762584.76	173.55574	(15060923)	446798.06
3762604.42	155.38403	(13122824)		
446799.70	3762654.11	124.09451	(15100501)	446799.97
3762674.58	115.45664	(16070205)		
446800.25	3762700.25	112.82796	(12091701)	446800.25
3762721.27	105.82825	(12091701)		
446799.97	3762735.74	101.23886	(16092019)	446797.79
3762748.02	96.91902	(16092019)		
446802.16	3762913.47	59.90667	(15102420)	446802.16
3762932.58	57.09610	(15102420)		
446802.43	3762949.24	54.75261	(15102420)	446802.98
3762967.26	52.30977	(15102420)		
446802.70	3762986.09	50.59114	(15102420)	446802.16
3763003.29	49.73371	(15102420)		
446802.16	3763021.86	49.00242	(14071204)	446802.70
3763040.70	48.49889	(14071204)		
446802.98	3763059.26	47.97163	(16100620)	446803.52
3763077.01	47.42918	(14071303)		
446756.29	3763085.26	43.44573	(16092019)	446807.68
3763646.39	35.04540	(13090301)		
446808.32	3763674.66	34.36686	(13090301)	446807.68
3763694.57	33.95080	(13090301)		
446808.32	3763710.63	33.56085	(13090301)	446808.32
3763726.37	33.15853	(13090301)		
446808.00	3763742.11	32.66279	(13090301)	446808.32
3763756.89	32.24867	(13090301)		
446808.64	3763798.32	31.61694	(13090301)	446810.25
3764484.08	25.20608	(14060204)		
446781.34	3764475.08	25.46471	(14060204)	446722.56
3764455.81	26.08214	(13090206)		
446170.32	3764559.79	23.78535	(12081001)	446872.29
3763190.26	49.60552	(14081423)		
446925.22	3763179.19	51.77842	(15080524)	446984.86
3763194.88	48.43970	(14080321)		
447010.56	3763193.28	49.76838	(12071222)	447036.58
3763193.60	48.98198	(16081405)		
447053.61	3763193.28	48.95585	(16072701)	447076.42
3763192.31	49.45919	(12082821)		
447093.45	3763192.63	49.70753	(12082923)	447122.05
3763192.63	48.54926	(12081701)		
447138.75	3763192.31	47.57943	(12081701)	447167.99
3763192.31	46.15500	(13090201)		
447170.68	3763172.18	46.30010	(13060205)	447170.41
3763158.25	46.57550	(14071402)		
447169.31	3763144.87	47.72856	(14071402)	447147.46
3763107.45	52.12520	(13060205)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 279

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 4BSPILL ***
INCLUDING SOURCE(S): 4BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M)
(M) CONC (YYMMDDHH)

447146.64	3763084.24	53.69362	(14071402)	447146.92
3763064.30	54.57356	(14071402)		
447149.92	3763038.90	55.36314	(14080405)	447148.56
3763019.78	55.84790	(14080405)		
447148.56	3762997.39	56.63112	(15081422)	447206.08
3762958.49	52.31003	(13081601)		
447209.33	3762922.51	53.09749	(13090903)	447208.40
3762890.70	55.20597	(14081422)		
447145.83	3762888.87	59.10923	(14081102)	447122.55
3762889.07	60.49713	(14071501)		
447094.33	3762890.05	62.21507	(15073002)	447071.04
3762890.45	63.53548	(14073101)		
447043.61	3762889.66	64.61001	(14080924)	447017.76
3762888.87	66.05322	(14100320)		
446992.11	3762889.07	67.65699	(15100820)	446964.28
3762888.28	68.83230	(12071821)		
446940.41	3762888.47	67.54859	(12092220)	446911.20
3762888.08	66.11920	(15091624)		
446885.35	3762889.66	66.29699	(15062101)	446862.07
3762888.87	66.78879	(12090503)		
446871.45	3762779.57	90.18514	(15062702)	446926.31
3762768.72	93.35859	(12092220)		
446983.74	3762774.24	88.27292	(14091121)	447009.00
3762774.05	84.59422	(14080924)		
447030.51	3762774.44	80.43709	(14073101)	447055.37
3762774.05	76.11567	(14081124)		
447076.88	3762774.24	75.19692	(12071302)	447101.16
3762774.44	74.18396	(14071424)		
447123.85	3762774.05	72.44948	(13090903)	447148.12
3762775.03	70.74567	(12091205)		
447170.23	3762774.84	69.81000	(13090101)	447196.78
3762775.48	65.72527	(12092821)		
447242.12	3762776.57	61.64116	(15082824)	447262.33
3762776.03	58.44517	(13081423)		
447294.56	3762776.30	55.32060	(14070601)	447313.13
3762775.48	54.12426	(12083024)		
447313.40	3762749.53	56.50164	(12081223)	447327.86
3762713.09	55.72345	(13070401)		
447327.36	3762679.87	56.61219	(15082922)	447327.74
3762657.02	58.45652	(15062822)		
447327.28	3762636.82	60.58828	(15061923)	447327.51
3762612.90	62.01084	(13070324)		
447327.28	3762592.24	64.28500	(15091222)	447327.04
3762569.71	65.85683	(16062802)		
447327.28	3762547.89	67.88501	(12080921)	447326.58
3762524.67	69.40289	(12081902)		
447326.58	3762506.09	71.10842	(14083022)	447327.51
3762477.53	73.11272	(15081221)		
447325.88	3762454.31	74.76578	(15081321)	447225.58
3762432.95	105.68961	(15081321)		
447200.27	3762430.63	116.06802	(15081321)	447156.85
3762430.16	139.72137	(15081221)		
447131.77	3762430.86	155.95766	(12102518)	447102.74
3762430.63	181.91394	(14083022)		
447079.06	3762430.86	207.98268	(14090822)	447034.94
3762433.65	270.51937	(15091222)		
446995.47	3762433.65	355.53326	(15062822)	446972.71
3762434.34	474.55884	(16082707)		
446941.37	3762434.58	543.62331	(14041207)	446916.06
3762436.90	749.30354	(14090307)		
446876.35	3762436.90	713.30072	(12091206)	446848.85
3762647.05	137.13482	(15101219)		
446848.85	3762563.17	212.56683	(12080624)	446849.17
3762509.82	313.26059	(15102420)		

446849.17	3762455.82	546.09690	(15031421)	446848.85
3762702.00	120.03501	(15101219)		
446849.49	3762754.71	101.03530	(15101219)	446739.81
3762428.53	349.61144	(15040322)		
446711.81	3762423.61	288.09929	(13092722)	446687.25
3762416.25	253.47946	(15091505)		
446662.20	3762412.32	218.34246	(12020622)	446636.17
3762403.97	193.48248	(12101719)		
449981.72	3762732.45	5.15882	(15091722)	446486.82
3762231.95	92.83913	(14011319)		
446261.97	3762068.01	44.58209	(12101403)	446443.15
3762291.63	85.69249	(14011518)		
446071.80	3762055.49	31.70344	(12020618)	446072.08
3761983.13	30.36838	(12101403)		
446138.18	3762002.17	33.97360	(16021805)	445884.94
3762039.75	24.33160	(14011319)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 280

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 5AIDLE ***

INCLUDING SOURCE(S): L0000089 , L0000090 ,
L0000091 , L0000092 , L0000093 ,
L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 , L0000101 ,
L0000102 , L0000103 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	19.97028	(15083004)	447375.98	
3764150.98	21.55987	(15083004)			
447389.75	3764043.04	21.83984	(16082406)	447450.16	
3764031.05	22.42603	(12082822)			
447410.18	3764019.05	22.15099	(12083004)	446891.90	
3764451.22	17.20537	(12081001)			
446959.28	3764451.22	17.21777	(12081604)	446995.28	
3764468.13	17.30153	(16062701)			
447007.41	3764467.30	17.41907	(16062701)	447023.51	
3764466.09	17.49777	(12071001)			
447036.59	3764466.21	17.56043	(12071001)	447052.68	
3764465.61	17.57761	(12071001)			
447066.60	3764465.73	17.68957	(14040923)	447099.65	
3764456.17	17.97276	(12092102)			
447145.28	3764468.27	17.74824	(12083006)	447175.54	
3764468.03	17.67556	(12083006)			
447205.32	3764468.27	17.46399	(12081106)	447232.43	
3764467.55	17.93868	(14072401)			
447264.02	3764467.30	18.69623	(15062301)	447294.77	
3764466.94	19.04233	(15062202)			
447364.97	3764456.41	19.24871	(15083004)	447406.61	
3764460.65	18.65848	(13090824)			
447441.47	3764460.04	19.34219	(12082822)	447466.88	
3764460.20	19.36610	(12082822)			
447490.00	3764460.56	19.10089	(12102719)	447515.50	

3764460.40	18.68450	(12102719)		
447573.06	3764454.29	18.24411	(12080905)	447598.49
3764445.22	18.23718	(15092701)		
447652.90	3764439.70	19.35653	(12080824)	447692.92
3764439.51	19.02005	(12090802)		
447713.82	3764439.11	18.83545	(16102922)	447731.95
3764438.72	19.11832	(16102922)		
447751.07	3764438.72	19.13688	(16102922)	447768.82
3764437.53	19.02736	(16102922)		
447789.12	3764437.73	18.94129	(15090723)	447805.68
3764437.34	19.05446	(13082502)		
447824.02	3764437.20	18.98798	(13082502)	447841.61
3764437.87	19.01614	(15101706)		
447861.72	3764437.53	19.06062	(16072903)	447881.66
3764435.18	19.03948	(16072903)		
447902.78	3764436.19	19.05710	(12080823)	447920.87
3764435.35	18.96373	(12080823)		
447942.16	3764435.35	18.77259	(15092506)	447962.77
3764434.85	18.70307	(16062624)		
447980.70	3764435.18	18.66454	(16062624)	448004.66
3764435.18	18.24359	(16062624)		
448021.25	3764434.68	17.73968	(13012418)	447662.70
3764379.63	20.38198	(12080824)		
447681.30	3764320.98	20.97617	(12090802)	447682.64
3764285.79	20.82757	(12090802)		
447662.53	3764238.37	20.98519	(12090802)	447661.70
3764207.37	20.83984	(12090802)		
447683.14	3764162.29	20.59531	(13070104)	447680.97
3764145.87	20.55788	(13070104)		
447679.63	3764130.28	20.49037	(13070104)	447680.80
3764112.02	20.46715	(13070104)		
447681.47	3764096.43	20.56802	(13070104)	447680.80
3764078.84	20.77800	(13070104)		
447679.96	3764064.26	21.06963	(13070104)	447680.97
3764045.82	21.48329	(13070104)		
447680.63	3764029.74	21.87621	(13070104)	447657.17
3763992.03	22.44977	(13070104)		
447656.33	3763967.06	23.19509	(13070104)	447657.17
3763928.69	24.24059	(13070104)		
447657.17	3763902.21	24.99045	(13070104)	447657.51
3763869.03	25.56658	(13070104)		
447656.16	3763834.94	26.57566	(13070104)	447655.93
3763808.27	27.55149	(15090723)		
447657.09	3763786.00	28.43358	(15090723)	447701.21
3763782.14	28.23204	(15101706)		
447856.92	3763749.71	25.66039	(12092201)	447854.99
3763730.13	25.88262	(12092201)		
447854.35	3763698.35	26.37647	(16062702)	447855.31
3763676.84	26.73621	(16062702)		
447675.51	3763287.46	40.59331	(12081701)	448481.33
3763485.29	20.61305	(12083003)		
448479.95	3763195.53	19.46507	(13062701)	448478.56
3762907.16	13.35892	(15081221)		
448497.89	3762714.10	13.57099	(15101322)	448507.91
3762487.71	13.33663	(14082722)		

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 281

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 5AIDLE ***

INCLUDING SOURCE(S): L0000089 , L0000090 ,

L0000091 , L0000092 , L0000093 ,
 L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
 L0000099 , L0000100 , L0000101 ,
 L0000102 , L0000103 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	13.12144	(15091023)	448462.73	
3762339.82	13.25213	(14091905)			
448464.47	3762265.93	13.03971	(12092023)	448461.57	
3762165.17	12.51595	(14051421)			
448472.57	3762064.71	11.52904	(15082624)	448460.48	
3762016.72	11.40330	(15082623)			
448234.63	3761951.18	13.52173	(15102521)	448081.42	
3761952.78	16.06357	(13110118)			
448025.53	3761955.99	17.07321	(16082922)	447506.75	
3761967.63	25.38418	(13050222)			
447269.29	3761967.74	24.13820	(14050301)	447389.46	
3761908.79	22.73735	(15101301)			
447019.14	3761964.34	19.56022	(12091505)	447060.33	
3761963.58	20.39077	(12082901)			
446975.31	3761963.20	18.70745	(15021220)	446940.92	
3761953.76	17.88580	(16102021)			
446865.72	3761974.54	17.02720	(12091503)	446795.06	
3761957.91	15.46582	(16092702)			
446757.65	3761965.85	15.09800	(15090904)	446709.33	
3761967.74	14.23712	(15090904)			
446796.42	3762028.62	16.74382	(15090904)	446796.97	
3762045.28	16.91948	(15090904)			
446796.70	3762089.51	17.63782	(14091405)	446796.15	
3762105.89	17.98349	(12100204)			
446796.70	3762137.29	18.74587	(15090903)	446796.15	
3762153.39	19.09273	(15100921)			
446772.40	3762215.37	19.33919	(14080302)	446795.06	
3762321.03	21.49677	(14022022)			
446796.42	3762450.98	23.75243	(13121117)	446796.42	
3762471.18	24.15357	(14051523)			
446797.24	3762496.03	24.29299	(14051523)	446798.06	
3762516.51	24.52060	(14120121)			
446797.79	3762539.98	25.16519	(14011518)	446797.52	
3762560.19	25.28336	(16021518)			
446798.61	3762584.76	25.44365	(16021518)	446798.06	
3762604.42	25.07006	(15031521)			
446799.70	3762654.11	24.86353	(15090905)	446799.97	
3762674.58	25.39121	(15090905)			
446800.25	3762700.25	25.30948	(15090905)	446800.25	
3762721.27	24.63518	(15090905)			
446799.97	3762735.74	24.79312	(15032622)	446797.79	
3762748.02	24.65513	(15032622)			
446802.16	3762913.47	22.42169	(15120517)	446802.16	
3762932.58	22.11133	(15120517)			
446802.43	3762949.24	21.61566	(15120517)	446802.98	
3762967.26	21.28929	(13092722)			
446802.70	3762986.09	20.98673	(13092722)	446802.16	
3763003.29	20.50246	(13092722)			
446802.16	3763021.86	20.41132	(13092602)	446802.70	
3763040.70	20.19020	(13092602)			
446802.98	3763059.26	19.76059	(13092602)	446803.52	
3763077.01	19.24990	(16112718)			

446756.29	3763085.26	18.06832	(13092602)	446807.68
3763646.39	22.83981	(16072804)		
446808.32	3763674.66	22.50605	(16072804)	446807.68
3763694.57	22.23385	(16072804)		
446808.32	3763710.63	21.93979	(15061924)	446808.32
3763726.37	21.80970	(15061924)		
446808.00	3763742.11	21.55794	(15061924)	446808.32
3763756.89	21.30503	(15061924)		
446808.64	3763798.32	21.11328	(13090723)	446810.25
3764484.08	16.54976	(16072603)		
446781.34	3764475.08	16.39092	(12080704)	446722.56
3764455.81	16.15318	(12080704)		
446170.32	3764559.79	13.39728	(14081603)	446872.29
3763190.26	25.52057	(14100721)		
446925.22	3763179.19	29.30197	(16110621)	446984.86
3763194.88	28.95249	(15060921)		
447010.56	3763193.28	32.56441	(15062722)	447036.58
3763193.60	33.72210	(15062722)		
447053.61	3763193.28	35.11501	(15062722)	447076.42
3763192.31	37.70435	(12071303)		
447093.45	3763192.63	40.05022	(12071303)	447122.05
3763192.63	38.99181	(16061822)		
447138.75	3763192.31	38.29304	(16061822)	447167.99
3763192.31	37.69798	(12071304)		
447170.68	3763172.18	36.82219	(12071304)	447170.41
3763158.25	36.50233	(12071304)		
447169.31	3763144.87	37.34643	(12071304)	447147.46
3763107.45	41.45243	(15030520)		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 282

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SAIDLE ***

INCLUDING SOURCE(S): L0000089 , L0000090 ,
L0000091 , L0000092 , L0000093 ,
L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 , L0000101 ,
L0000102 , L0000103 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC (YYMMDDHH)				
447146.64	3763084.24	41.71053	(15030520)	447146.92	
3763064.30	40.75360	(15062722)			
447149.92	3763038.90	37.58441	(15060921)	447148.56	
3763019.78	38.46868	(15060921)			
447148.56	3762997.39	40.16938	(15060921)	447206.08	
3762958.49	49.79189	(15060921)			
447209.33	3762922.51	54.86703	(15060921)	447208.40	
3762890.70	60.30741	(15092021)			
447145.83	3762888.87	51.11189	(15090824)	447122.55	
3762889.07	47.63784	(15090824)			
447094.33	3762890.05	43.13891	(14091521)	447071.04	
3762890.45	40.34598	(13092602)			
447043.61	3762889.66	37.98786	(13092602)	447017.76	

3762888.87	35.44272	(13092602)		
446992.11	3762889.07	33.28717	(13092722)	446964.28
3762888.28	31.32423	(13092722)		
446940.41	3762888.47	29.60165	(15120517)	446911.20
3762888.08	28.18720	(15120517)		
446885.35	3762889.66	26.78887	(15120517)	446862.07
3762888.87	25.56535	(15120517)		
446871.45	3762779.57	28.25329	(12101719)	446926.31
3762768.72	32.28815	(12101719)		
446983.74	3762774.24	36.92365	(12101719)	447009.00
3762774.05	39.25494	(12020622)		
447030.51	3762774.44	41.87796	(12020622)	447055.37
3762774.05	45.08810	(12020622)		
447076.88	3762774.24	47.95695	(12020622)	447101.16
3762774.44	51.56100	(15120517)		
447123.85	3762774.05	56.18453	(15120517)	447148.12
3762775.03	61.23610	(15120517)		
447170.23	3762774.84	65.97822	(15120517)	447196.78
3762775.48	72.87323	(13092722)		
447242.12	3762776.57	88.86093	(13092602)	447262.33
3762776.03	99.08433	(15090824)		
447294.56	3762776.30	118.01962	(15101223)	447313.13
3762775.48	129.49270	(15090919)		
447313.40	3762749.53	143.30016	(15090824)	447327.86
3762713.09	171.21980	(13092602)		
447327.36	3762679.87	212.07782	(12110208)	447327.74
3762657.02	245.14435	(12110208)		
447327.28	3762636.82	246.73765	(12110208)	447327.51
3762612.90	221.80012	(12110208)		
447327.28	3762592.24	188.16778	(14051523)	447327.04
3762569.71	181.43048	(15101024)		
447327.28	3762547.89	173.60206	(15100921)	447326.58
3762524.67	163.07499	(15100921)		
447326.58	3762506.09	150.88609	(15090904)	447327.51
3762477.53	135.48709	(15090922)		
447325.88	3762454.31	121.05030	(13020917)	447225.58
3762432.95	73.30698	(12100204)		
447200.27	3762430.63	67.34192	(15090903)	447156.85
3762430.16	58.87840	(15100921)		
447131.77	3762430.86	53.47930	(15100921)	447102.74
3762430.63	48.52710	(15101023)		
447079.06	3762430.86	45.32411	(15101023)	447034.94
3762433.65	39.80532	(15031424)		
446995.47	3762433.65	36.34100	(15101024)	446972.71
3762434.34	34.45407	(15101024)		
446941.37	3762434.58	31.85749	(15101024)	446916.06
3762436.90	29.98392	(12020618)		
446876.35	3762436.90	27.47084	(12020618)	446848.85
3762647.05	27.49383	(14100421)		
446848.85	3762563.17	28.21270	(14011518)	446849.17
3762509.82	27.14021	(14051523)		
446849.17	3762455.82	26.41215	(13121117)	446848.85
3762702.00	27.91719	(15090905)		
446849.49	3762754.71	27.23178	(15040323)	446739.81
3762428.53	21.09225	(13121117)		
446711.81	3762423.61	20.05828	(13121117)	446687.25
3762416.25	19.17654	(13121117)		
446662.20	3762412.32	18.39053	(13121117)	446636.17
3762403.97	17.58680	(13121117)		
449981.72	3762732.45	3.94003	(12092321)	446486.82
3762231.95	13.24576	(15101024)		
446261.97	3762068.01	9.49461	(14022022)	446443.15
3762291.63	12.75886	(12020618)		
446071.80	3762055.49	8.02141	(15101024)	446072.08
3761983.13	7.70641	(14022022)		
446138.18	3762002.17	8.25798	(14022022)	445884.94

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 5AON ***

INCLUDING SOURCE(S): L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 , L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 , L0000340 , L0000341 , L0000342 , L0000343 , L0000344 , L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 , L0000353 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

Table with 7 columns: X-COORD (M), Y-COORD (M), CONC, (YYMMDDHH), X-COORD (M), Y-COORD. It lists discrete Cartesian receptor points with their coordinates and concentrations.

3764437.87	18.94535	(16072903)		
447861.72	3764437.53	18.94593	(16072903)	447881.66
3764435.18	18.95815	(12080823)		
447902.78	3764436.19	18.85822	(12080823)	447920.87
3764435.35	18.66591	(15092506)		
447942.16	3764435.35	18.56928	(16062624)	447962.77
3764434.85	18.55501	(16062624)		
447980.70	3764435.18	18.34929	(16062624)	448004.66
3764435.18	17.99889	(13012418)		
448021.25	3764434.68	17.64247	(13012418)	447662.70
3764379.63	20.10093	(12090802)		
447681.30	3764320.98	20.63918	(16102922)	447682.64
3764285.79	20.59180	(16102922)		
447662.53	3764238.37	20.60851	(12090802)	447661.70
3764207.37	20.47961	(12090506)		
447683.14	3764162.29	20.49799	(13070104)	447680.97
3764145.87	20.45208	(13070104)		
447679.63	3764130.28	20.36774	(13070104)	447680.80
3764112.02	20.29652	(13070104)		
447681.47	3764096.43	20.36070	(13070104)	447680.80
3764078.84	20.54384	(13070104)		
447679.96	3764064.26	20.81617	(13070104)	447680.97
3764045.82	21.23429	(15090723)		
447680.63	3764029.74	21.64011	(15090723)	447657.17
3763992.03	22.31168	(13070104)		
447656.33	3763967.06	23.01687	(13070104)	447657.17
3763928.69	23.95978	(13070104)		
447657.17	3763902.21	24.70731	(15090723)	447657.51
3763869.03	25.31666	(15090723)		
447656.16	3763834.94	26.34598	(15090723)	447655.93
3763808.27	27.29911	(15090723)		
447657.09	3763786.00	28.07691	(15090723)	447701.21
3763782.14	27.96942	(16072903)		
447856.92	3763749.71	25.20693	(16062702)	447854.99
3763730.13	25.50640	(16062702)		
447854.35	3763698.35	25.90041	(16062702)	447855.31
3763676.84	26.04871	(16062702)		
447675.51	3763287.46	32.61659	(13090201)	448481.33
3763485.29	18.71025	(12083003)		
448479.95	3763195.53	13.96547	(15090924)	448478.56
3762907.16	11.74969	(15081321)		
448497.89	3762714.10	11.50850	(12092321)	448507.91
3762487.71	11.24144	(15082521)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 284

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 5AON ***

INCLUDING SOURCE(S): L0000326 , L0000327 ,
L0000328 , L0000329 , L0000330 ,
L0000331 , L0000332 , L0000333 , L0000334 , L0000335 ,
L0000336 , L0000337 , L0000338 ,
L0000339 , L0000340 , L0000341 , L0000342 , L0000343 ,
L0000344 , L0000345 , L0000346 ,
L0000347 , L0000348 , L0000349 , L0000350 , L0000351 ,
L0000352 , L0000353 , . . . ,


*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	10.90946	(14091905)	448462.73	
3762339.82	11.06974	(15101802)			
448464.47	3762265.93	10.89884	(12092023)	448461.57	
3762165.17	10.54764	(14051421)			
448472.57	3762064.71	9.87078	(15082624)	448460.48	
3762016.72	9.83265	(15082623)			
448234.63	3761951.18	11.56380	(15102521)	448081.42	
3761952.78	13.57733	(13110118)			
448025.53	3761955.99	14.49622	(13110118)	447506.75	
3761967.63	25.04234	(13050222)			
447269.29	3761967.74	24.44487	(14090704)	447389.46	
3761908.79	22.67655	(15101301)			
447019.14	3761964.34	18.87208	(12091405)	447060.33	
3761963.58	19.89809	(12082901)			
446975.31	3761963.20	17.91413	(15021220)	446940.92	
3761953.76	17.11047	(16102021)			
446865.72	3761974.54	16.08336	(12091503)	446795.06	
3761957.91	14.61379	(16092702)			
446757.65	3761965.85	14.12995	(15090904)	446709.33	
3761967.74	13.45106	(15090904)			
446796.42	3762028.62	15.60880	(15090904)	446796.97	
3762045.28	15.79593	(15090904)			
446796.70	3762089.51	16.13160	(16111022)	446796.15	
3762105.89	16.36434	(14091405)			
446796.70	3762137.29	16.86661	(15090903)	446796.15	
3762153.39	17.13047	(15090903)			
446772.40	3762215.37	17.26539	(15100921)	446795.06	
3762321.03	18.46570	(15101023)			
446796.42	3762450.98	19.33510	(14051602)	446796.42	
3762471.18	19.44316	(13121117)			
446797.24	3762496.03	19.76769	(14051523)	446798.06	
3762516.51	19.84884	(14051523)			
446797.79	3762539.98	19.71709	(14011518)	446797.52	
3762560.19	19.99895	(14011518)			
446798.61	3762584.76	20.14857	(16021518)	446798.06	
3762604.42	20.21826	(16021518)			
446799.70	3762654.11	19.63760	(15031521)	446799.97	
3762674.58	19.63921	(15090905)			
446800.25	3762700.25	19.96340	(15090905)	446800.25	
3762721.27	19.99726	(15090905)			
446799.97	3762735.74	19.88462	(15090905)	446797.79	
3762748.02	19.64282	(15090905)			
446802.16	3762913.47	18.28203	(12020622)	446802.16	
3762932.58	18.24473	(15120517)			
446802.43	3762949.24	18.17074	(15120517)	446802.98	
3762967.26	17.96536	(15120517)			
446802.70	3762986.09	17.63009	(13092722)	446802.16	
3763003.29	17.50885	(13092722)			
446802.16	3763021.86	17.27372	(13092722)	446802.70	
3763040.70	17.15791	(13092602)			
446802.98	3763059.26	17.06467	(13092602)	446803.52	
3763077.01	16.85054	(13092602)			
446756.29	3763085.26	15.73639	(13092602)	446807.68	
3763646.39	20.50217	(16072804)			
446808.32	3763674.66	20.20436	(16072804)	446807.68	
3763694.57	20.06621	(15061924)			
446808.32	3763710.63	19.98440	(15061924)	446808.32	
3763726.37	19.85228	(15061924)			
446808.00	3763742.11	19.62183	(15061924)	446808.32	
3763756.89	19.45812	(13090723)			
446808.64	3763798.32	19.30832	(15082523)	446810.25	

3764484.08	15.82628	(16072603)		
446781.34	3764475.08	15.58533	(16072603)	446722.56
3764455.81	15.45810	(12080704)		
446170.32	3764559.79	12.55501	(14081603)	446872.29
3763190.26	20.66298	(14100721)		
446925.22	3763179.19	22.49800	(16062102)	446984.86
3763194.88	24.05216	(15062722)		
447010.56	3763193.28	25.55029	(15062722)	447036.58
3763193.60	26.07684	(15030520)		
447053.61	3763193.28	27.09882	(15030520)	447076.42
3763192.31	28.68694	(16061822)		
447093.45	3763192.63	29.99948	(16061822)	447122.05
3763192.63	30.25867	(12071304)		
447138.75	3763192.31	30.49755	(12071304)	447167.99
3763192.31	31.15114	(16110720)		
447170.68	3763172.18	31.47436	(15062804)	447170.41
3763158.25	31.64305	(15062804)		
447169.31	3763144.87	32.41687	(12071304)	447147.46
3763107.45	34.03115	(16061822)		


 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 285

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5AON ***
 INCLUDING SOURCE(S): L0000326 , L0000327 ,
 L0000328 , L0000329 , L0000330 ,
 L0000331 , L0000332 , L0000333 , L0000334 , L0000335 ,
 L0000336 , L0000337 , L0000338 ,
 L0000339 , L0000340 , L0000341 , L0000342 , L0000343 ,
 L0000344 , L0000345 , L0000346 ,
 L0000347 , L0000348 , L0000349 , L0000350 , L0000351 ,
 L0000352 , L0000353 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	34.53743	(16061822)	447146.92	
3763064.30	33.02948	(16061822)			
447149.92	3763038.90	33.01810	(15060921)	447148.56	
3763019.78	33.73205	(15060921)			
447148.56	3762997.39	34.32672	(15060921)	447206.08	
3762958.49	41.53154	(15060921)			
447209.33	3762922.51	44.51923	(15092021)	447208.40	
3762890.70	46.53128	(15101223)			
447145.83	3762888.87	38.00684	(14091521)	447122.55	
3762889.07	35.32996	(16110920)			
447094.33	3762890.05	32.81924	(16110920)	447071.04	
3762890.45	30.92819	(13092722)			
447043.61	3762889.66	29.05721	(13092722)	447017.76	
3762888.87	27.46729	(15120517)			
446992.11	3762889.07	26.12661	(15120517)	446964.28	
3762888.28	24.76067	(15120517)			
446940.41	3762888.47	23.62961	(15120517)	446911.20	
3762888.08	22.31287	(15120517)			
446885.35	3762889.66	21.20252	(15120517)	446862.07	

3762888.87	20.44179	(12020622)		
446871.45	3762779.57	21.99957	(15032622)	446926.31
3762768.72	24.45393	(15032622)		
446983.74	3762774.24	27.39577	(15032622)	447009.00
3762774.05	28.95393	(15032622)		
447030.51	3762774.44	30.41901	(15032622)	447055.37
3762774.05	32.32530	(15032622)		
447076.88	3762774.24	34.16192	(15032622)	447101.16
3762774.44	36.50593	(15032622)		
447123.85	3762774.05	39.04939	(15032622)	447148.12
3762775.03	42.13972	(15032622)		
447170.23	3762774.84	45.49252	(15032622)	447196.78
3762775.48	51.82417	(12110208)		
447242.12	3762776.57	68.26823	(12110208)	447262.33
3762776.03	78.86565	(12110208)		
447294.56	3762776.30	102.03781	(12110208)	447313.13
3762775.48	121.98829	(12110208)		
447313.40	3762749.53	119.56439	(12110208)	447327.86
3762713.09	117.78234	(14051523)		
447327.36	3762679.87	116.73680	(15100919)	447327.74
3762657.02	114.33909	(15100919)		
447327.28	3762636.82	112.89921	(15101221)	447327.51
3762612.90	110.84128	(15101221)		
447327.28	3762592.24	107.49895	(14091405)	447327.04
3762569.71	105.95054	(13082904)		
447327.28	3762547.89	104.29225	(13090706)	447326.58
3762524.67	101.79858	(13090706)		
447326.58	3762506.09	99.73694	(13090706)	447327.51
3762477.53	97.20587	(15090902)		
447325.88	3762454.31	93.59984	(15090902)	447225.58
3762432.95	54.25315	(15090904)		
447200.27	3762430.63	49.09374	(15090904)	447156.85
3762430.16	42.59331	(15090903)		
447131.77	3762430.86	39.71591	(15100921)	447102.74
3762430.63	36.58571	(15100921)		
447079.06	3762430.86	34.06864	(15100921)	447034.94
3762433.65	30.62075	(15101023)		
446995.47	3762433.65	27.94381	(15100919)	446972.71
3762434.34	26.64422	(15100919)		
446941.37	3762434.58	25.01360	(14100401)	446916.06
3762436.90	23.90658	(14100401)		
446876.35	3762436.90	22.13705	(14100401)	446848.85
3762647.05	21.68178	(16021518)		
446848.85	3762563.17	21.75663	(14011518)	446849.17
3762509.82	21.65026	(14051523)		
446849.17	3762455.82	21.12926	(14051602)	446848.85
3762702.00	21.70697	(15090905)		
446849.49	3762754.71	21.26382	(15090905)	446739.81
3762428.53	17.54806	(14051602)		
446711.81	3762423.61	16.80680	(14051602)	446687.25
3762416.25	16.18155	(14051602)		
446662.20	3762412.32	15.59840	(14051602)	446636.17
3762403.97	15.01746	(14051602)		
449981.72	3762732.45	3.74170	(12092321)	446486.82
3762231.95	11.85753	(14100401)		
446261.97	3762068.01	8.86922	(14022022)	446443.15
3762291.63	11.43574	(12020618)		
446071.80	3762055.49	7.47843	(15101024)	446072.08
3761983.13	7.30056	(14022022)		
446138.18	3762002.17	7.77477	(14022022)	445884.94
3762039.75	6.43908	(15101024)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich

Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5BBREAT ***
 INCLUDING SOURCE(S): 5BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	17.68450	(15062301)	447375.98	
3764150.98	18.99707	(15062301)			
447389.75	3764043.04	19.53334	(16062805)	447450.16	
3764031.05	19.81815	(13090206)			
447410.18	3764019.05	19.74139	(15062202)	446891.90	
3764451.22	15.43981	(14022020)			
446959.28	3764451.22	15.67646	(12081604)	446995.28	
3764468.13	15.66928	(13091705)			
447007.41	3764467.30	15.74975	(13091705)	447023.51	
3764466.09	15.91767	(16062701)			
447036.59	3764466.21	15.99946	(16062701)	447052.68	
3764465.61	16.04439	(16062701)			
447066.60	3764465.73	15.99703	(16062701)	447099.65	
3764456.17	16.12794	(15080504)			
447145.28	3764468.27	16.28401	(12092102)	447175.54	
3764468.03	16.09443	(12092102)			
447205.32	3764468.27	15.77976	(16062804)	447232.43	
3764467.55	16.11074	(12081106)			
447264.02	3764467.30	17.06149	(12081106)	447294.77	
3764466.94	17.20701	(12081106)			
447364.97	3764456.41	16.83275	(16042402)	447406.61	
3764460.65	17.12553	(13090206)			
447441.47	3764460.04	17.16535	(13090206)	447466.88	
3764460.20	17.20116	(15083004)			
447490.00	3764460.56	16.92765	(12081904)	447515.50	
3764460.40	16.78450	(13090824)			
447573.06	3764454.29	16.81390	(12082822)	447598.49	
3764445.22	16.83365	(12102719)			
447652.90	3764439.70	17.32308	(12080905)	447692.92	
3764439.51	17.47501	(12080905)			
447713.82	3764439.11	17.24184	(12080905)	447731.95	
3764438.72	17.35991	(15092701)			
447751.07	3764438.72	17.49822	(15092701)	447768.82	
3764437.53	17.50711	(15092701)			
447789.12	3764437.73	17.55771	(12080824)	447805.68	
3764437.34	17.53522	(12080824)			
447824.02	3764437.20	17.40000	(12070901)	447841.61	
3764437.87	17.33550	(12070901)			
447861.72	3764437.53	17.15224	(16102922)	447881.66	
3764435.18	17.46505	(16102922)			
447902.78	3764436.19	17.54407	(16102922)	447920.87	
3764435.35	17.44430	(16102922)			
447942.16	3764435.35	17.10156	(16102922)	447962.77	
3764434.85	16.84133	(13082502)			
447980.70	3764435.18	16.89267	(14070405)	448004.66	
3764435.18	17.04292	(14070405)			
448021.25	3764434.68	16.74899	(14070405)	447662.70	
3764379.63	18.36189	(12080905)			
447681.30	3764320.98	19.04398	(12080905)	447682.64	
3764285.79	19.02466	(12080905)			

447662.53	3764238.37	19.08948	(12080905)	447661.70
3764207.37	19.06498	(12080905)		
447683.14	3764162.29	18.94577	(12080905)	447680.97
3764145.87	18.93686	(12080905)		
447679.63	3764130.28	18.89186	(12080905)	447680.80
3764112.02	18.84057	(12080905)		
447681.47	3764096.43	18.89480	(12080905)	447680.80
3764078.84	19.04942	(12080905)		
447679.96	3764064.26	19.26878	(12080905)	447680.97
3764045.82	19.55414	(12080905)		
447680.63	3764029.74	19.84332	(12080905)	447657.17
3763992.03	20.47660	(12080905)		
447656.33	3763967.06	21.00931	(12080905)	447657.17
3763928.69	21.74507	(12080905)		
447657.17	3763902.21	22.28284	(12080905)	447657.51
3763869.03	22.70539	(12080905)		
447656.16	3763834.94	23.45125	(12080905)	447655.93
3763808.27	24.14610	(12080905)		
447657.09	3763786.00	24.72483	(12080905)	447701.21
3763782.14	24.71496	(12080824)		
447856.92	3763749.71	23.39541	(13082502)	447854.99
3763730.13	23.63347	(13082502)		
447854.35	3763698.35	24.06692	(15101706)	447855.31
3763676.84	24.36674	(15101706)		
447675.51	3763287.46	34.14641	(13082522)	448481.33
3763485.29	22.09761	(12081401)		
448479.95	3763195.53	23.48562	(16083105)	448478.56
3762907.16	23.87463	(12081201)		
448497.89	3762714.10	24.17850	(15082522)	448507.91
3762487.71	15.82622	(15082923)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 287

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 5BBREAT *** INCLUDING SOURCE(S): 5BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC (YYMMDDHH)				
448480.49	3762357.96	16.74298	(14081724)	448462.73	
3762339.82	17.33119	(15082823)			
448464.47	3762265.93	17.11875	(14073023)	448461.57	
3762165.17	17.09191	(15082521)			
448472.57	3762064.71	15.69114	(15101802)	448460.48	
3762016.72	15.80297	(12092023)			
448234.63	3761951.18	21.00779	(14110518)	448081.42	
3761952.78	27.88843	(12080622)			
448025.53	3761955.99	30.24768	(12080622)	447506.75	
3761967.63	59.01010	(15092103)			
447269.29	3761967.74	41.45715	(15092006)	447389.46	
3761908.79	43.45367	(15090901)			
447019.14	3761964.34	26.35970	(15100921)	447060.33	
3761963.58	27.96965	(15090903)			
446975.31	3761963.20	24.04557	(15100921)	446940.92	

3761953.76	22.32148	(14080302)		
446865.72	3761974.54	20.03386	(15101023)	446795.06
3761957.91	17.64646	(14022022)		
446757.65	3761965.85	16.75695	(15031424)	446709.33
3761967.74	15.79167	(15101024)		
446796.42	3762028.62	18.71879	(15101024)	446796.97
3762045.28	18.77755	(15101024)		
446796.70	3762089.51	19.22551	(14011319)	446796.15
3762105.89	19.37349	(14011319)		
446796.70	3762137.29	19.80775	(14051523)	446796.15
3762153.39	20.05101	(14051523)		
446772.40	3762215.37	19.75517	(14011518)	446795.06
3762321.03	20.44977	(15031521)		
446796.42	3762450.98	20.36415	(15032622)	446796.42
3762471.18	20.40646	(15032622)		
446797.24	3762496.03	20.11123	(15040323)	446798.06
3762516.51	19.81656	(12101719)		
446797.79	3762539.98	19.84118	(12101719)	446797.52
3762560.19	19.52247	(12101719)		
446798.61	3762584.76	19.14339	(12020622)	446798.06
3762604.42	18.99101	(12020622)		
446799.70	3762654.11	18.32512	(15120517)	446799.97
3762674.58	29.56681	(15062003)		
446800.25	3762700.25	30.42379	(15050124)	446800.25
3762721.27	30.39281	(15082801)		
446799.97	3762735.74	30.07362	(13051323)	446797.79
3762748.02	29.93060	(16092723)		
446802.16	3762913.47	25.88717	(12092322)	446802.16
3762932.58	25.33768	(12092322)		
446802.43	3762949.24	24.66681	(12092322)	446802.98
3762967.26	24.16350	(16102419)		
446802.70	3762986.09	24.18776	(14091702)	446802.16
3763003.29	24.33427	(14091702)		
446802.16	3763021.86	24.31299	(14091702)	446802.70
3763040.70	24.30379	(12101421)		
446802.98	3763059.26	24.08022	(12101421)	446803.52
3763077.01	24.05032	(12092801)		
446756.29	3763085.26	21.74384	(15082903)	446807.68
3763646.39	20.48408	(15061924)		
446808.32	3763674.66	20.36151	(13090723)	446807.68
3763694.57	20.24567	(13090723)		
446808.32	3763710.63	20.06961	(13090723)	446808.32
3763726.37	19.85362	(13090723)		
446808.00	3763742.11	19.56409	(13090723)	446808.32
3763756.89	19.29922	(15082523)		
446808.64	3763798.32	18.91062	(15082523)	446810.25
3764484.08	14.98175	(16072603)		
446781.34	3764475.08	14.90939	(12080704)	446722.56
3764455.81	14.75388	(12080704)		
446170.32	3764559.79	12.72170	(12092724)	446872.29
3763190.26	27.09149	(13062901)		
446925.22	3763179.19	28.18512	(13062901)	446984.86
3763194.88	29.52886	(13082922)		
447010.56	3763193.28	30.44205	(13082922)	447036.58
3763193.60	30.87226	(16072804)		
447053.61	3763193.28	31.10755	(16072804)	447076.42
3763192.31	32.11838	(13090723)		
447093.45	3763192.63	32.98518	(13090723)	447122.05
3763192.63	33.32728	(15082523)		
447138.75	3763192.31	33.29910	(15082605)	447167.99
3763192.31	33.71111	(15082605)		
447170.68	3763172.18	34.46357	(15082605)	447170.41
3763158.25	34.86350	(15082605)		
447169.31	3763144.87	35.41890	(15082605)	447147.46
3763107.45	37.26624	(15082523)		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5BBREAT ***
INCLUDING SOURCE(S): 5BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	38.11392	(13090723)	447146.92	
3763064.30	38.48928	(15061924)			
447149.92	3763038.90	38.86014	(15061924)	447148.56	
3763019.78	39.27166	(16072804)			
447148.56	3762997.39	39.68609	(13082922)	447206.08	
3762958.49	42.55814	(15080424)			
447209.33	3762922.51	43.20240	(15080424)	447208.40	
3762890.70	45.43901	(13082922)			
447145.83	3762888.87	42.34121	(16092823)	447122.55	
3762889.07	41.14352	(15101401)			
447094.33	3762890.05	39.61256	(12081402)	447071.04	
3762890.45	38.23896	(15120720)			
447043.61	3762889.66	37.35470	(15082702)	447017.76	
3762888.87	36.01885	(15082702)			
446992.11	3762889.07	34.61163	(12092801)	446964.28	
3762888.28	33.72466	(12101421)			
446940.41	3762888.47	32.64422	(14091702)	446911.20	
3762888.08	30.66751	(14091702)			
446885.35	3762889.66	29.33714	(16102419)	446862.07	
3762888.87	28.85789	(12092322)			
446871.45	3762779.57	32.79604	(15091006)	446926.31	
3762768.72	35.78711	(15091006)			
446983.74	3762774.24	38.60263	(12092322)	447009.00	
3762774.05	39.71420	(12092322)			
447030.51	3762774.44	39.44388	(16102419)	447055.37	
3762774.05	40.96227	(14091620)			
447076.88	3762774.24	42.59640	(15082903)	447101.16	
3762774.44	44.85546	(15082903)			
447123.85	3762774.05	46.03096	(12092801)	447148.12	
3762775.03	48.88276	(15082702)			
447170.23	3762774.84	50.75981	(15120720)	447196.78	
3762775.48	53.04306	(12081402)			
447242.12	3762776.57	56.49335	(16092823)	447262.33	
3762776.03	58.31144	(12071303)			
447294.56	3762776.30	59.99719	(15082502)	447313.13	
3762775.48	62.59259	(15080424)			
447313.40	3762749.53	65.81925	(15080424)	447327.86	
3762713.09	72.83644	(12071303)			
447327.36	3762679.87	48.71440	(14120720)	447327.74	
3762657.02	52.30623	(15060921)			
447327.28	3762636.82	55.90806	(15060921)	447327.51	
3762612.90	59.34848	(15092021)			
447327.28	3762592.24	64.16934	(15092021)	447327.04	
3762569.71	68.28948	(15090919)			
447327.28	3762547.89	73.39309	(15101223)	447326.58	
3762524.67	78.60846	(15090824)			

447326.58	3762506.09	80.40299	(15090824)	447327.51
3762477.53	86.81545	(13092602)		
447325.88	3762454.31	91.52252	(15120517)	447225.58
3762432.95	62.62031	(12101719)		
447200.27	3762430.63	57.11596	(12101719)	447156.85
3762430.16	48.61764	(12101719)		
447131.77	3762430.86	44.85094	(15040323)	447102.74
3762430.63	41.24991	(15040323)		
447079.06	3762430.86	38.64677	(15032622)	447034.94
3762433.65	34.36773	(15032622)		
446995.47	3762433.65	31.16439	(15032622)	446972.71
3762434.34	29.50256	(15032622)		
446941.37	3762434.58	27.41834	(15032622)	446916.06
3762436.90	25.90718	(15032622)		
446876.35	3762436.90	23.75349	(15032622)	446848.85
3762647.05	20.07836	(15120517)		
446848.85	3762563.17	21.05542	(12020622)	446849.17
3762509.82	21.90516	(12101719)		
446849.17	3762455.82	22.58211	(15032622)	446848.85
3762702.00	32.87606	(15082801)		
446849.49	3762754.71	32.16156	(16092723)	446739.81
3762428.53	18.77499	(15090905)		
446711.81	3762423.61	18.02569	(15090905)	446687.25
3762416.25	17.39837	(15090905)		
446662.20	3762412.32	16.74125	(15090905)	446636.17
3762403.97	16.06672	(15090905)		
449981.72	3762732.45	4.17130	(15082923)	446486.82
3762231.95	13.07350	(16021518)		
446261.97	3762068.01	9.53915	(14051523)	446443.15
3762291.63	12.18471	(15031521)		
446071.80	3762055.49	7.91918	(14120121)	446072.08
3761983.13	7.87845	(14051523)		
446138.18	3762002.17	8.41544	(14051523)	445884.94
3762039.75	6.73348	(14120121)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 289

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5BLOAD ***
INCLUDING SOURCE(S): 5BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	17.68440	(15062301)	447375.98	
3764150.98	18.99697	(15062301)			
447389.75	3764043.04	19.53325	(16062805)	447450.16	
3764031.05	19.81806	(13090206)			
447410.18	3764019.05	19.74130	(15062202)	446891.90	
3764451.22	15.43971	(14022020)			
446959.28	3764451.22	15.67637	(12081604)	446995.28	
3764468.13	15.66906	(13091705)			
447007.41	3764467.30	15.74953	(13091705)	447023.51	
3764466.09	15.91757	(16062701)			
447036.59	3764466.21	15.99936	(16062701)	447052.68	

3764465.61	16.04429	(16062701)	
447066.60	3764465.73	15.99693	(16062701) 447099.65
3764456.17	16.12784	(15080504)	
447145.28	3764468.27	16.28391	(12092102) 447175.54
3764468.03	16.09434	(12092102)	
447205.32	3764468.27	15.77967	(16062804) 447232.43
3764467.55	16.11064	(12081106)	
447264.02	3764467.30	17.06137	(12081106) 447294.77
3764466.94	17.20689	(12081106)	
447364.97	3764456.41	16.83243	(16042402) 447406.61
3764460.65	17.12542	(13090206)	
447441.47	3764460.04	17.16524	(13090206) 447466.88
3764460.20	17.20105	(15083004)	
447490.00	3764460.56	16.92754	(12081904) 447515.50
3764460.40	16.78439	(13090824)	
447573.06	3764454.29	16.81380	(12082822) 447598.49
3764445.22	16.83355	(12102719)	
447652.90	3764439.70	17.32297	(12080905) 447692.92
3764439.51	17.47489	(12080905)	
447713.82	3764439.11	17.24173	(12080905) 447731.95
3764438.72	17.35979	(15092701)	
447751.07	3764438.72	17.49810	(15092701) 447768.82
3764437.53	17.50699	(15092701)	
447789.12	3764437.73	17.55760	(12080824) 447805.68
3764437.34	17.53510	(12080824)	
447824.02	3764437.20	17.39988	(12070901) 447841.61
3764437.87	17.33538	(12070901)	
447861.72	3764437.53	17.15213	(16102922) 447881.66
3764435.18	17.46494	(16102922)	
447902.78	3764436.19	17.54395	(16102922) 447920.87
3764435.35	17.44418	(16102922)	
447942.16	3764435.35	17.10145	(16102922) 447962.77
3764434.85	16.84123	(13082502)	
447980.70	3764435.18	16.89255	(14070405) 448004.66
3764435.18	17.04280	(14070405)	
448021.25	3764434.68	16.74888	(14070405) 447662.70
3764379.63	18.36176	(12080905)	
447681.30	3764320.98	19.04385	(12080905) 447682.64
3764285.79	19.02453	(12080905)	
447662.53	3764238.37	19.08937	(12080905) 447661.70
3764207.37	19.06487	(12080905)	
447683.14	3764162.29	18.94567	(12080905) 447680.97
3764145.87	18.93677	(12080905)	
447679.63	3764130.28	18.89177	(12080905) 447680.80
3764112.02	18.84049	(12080905)	
447681.47	3764096.43	18.89472	(12080905) 447680.80
3764078.84	19.04934	(12080905)	
447679.96	3764064.26	19.26870	(12080905) 447680.97
3764045.82	19.55406	(12080905)	
447680.63	3764029.74	19.84324	(12080905) 447657.17
3763992.03	20.47651	(12080905)	
447656.33	3763967.06	21.00921	(12080905) 447657.17
3763928.69	21.74498	(12080905)	
447657.17	3763902.21	22.28274	(12080905) 447657.51
3763869.03	22.70529	(12080905)	
447656.16	3763834.94	23.45114	(12080905) 447655.93
3763808.27	24.14599	(12080905)	
447657.09	3763786.00	24.72472	(12080905) 447701.21
3763782.14	24.71485	(12080824)	
447856.92	3763749.71	23.39531	(13082502) 447854.99
3763730.13	23.63338	(13082502)	
447854.35	3763698.35	24.06683	(15101706) 447855.31
3763676.84	24.36665	(15101706)	
447675.51	3763287.46	34.14635	(13082522) 448481.33
3763485.29	22.09754	(12081401)	
448479.95	3763195.53	23.48558	(16083105) 448478.56

3762907.16 23.87461 (12081201)
 448497.89 3762714.10 24.17854 (15082522) 448507.91
 3762487.71 15.82614 (15082923)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 290

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5BLOAD ***
 INCLUDING SOURCE(S): 5BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	16.74289	(14081724)	448462.73	
3762339.82	17.33110	(15082823)			
448464.47	3762265.93	17.11866	(14073023)	448461.57	
3762165.17	17.09183	(15082521)			
448472.57	3762064.71	15.69106	(15101802)	448460.48	
3762016.72	15.80288	(12092023)			
448234.63	3761951.18	21.00769	(14110518)	448081.42	
3761952.78	27.88829	(12080622)			
448025.53	3761955.99	30.24753	(12080622)	447506.75	
3761967.63	59.00979	(15092103)			
447269.29	3761967.74	41.45693	(15092006)	447389.46	
3761908.79	43.45344	(15090901)			
447019.14	3761964.34	26.35957	(15100921)	447060.33	
3761963.58	27.96950	(15090903)			
446975.31	3761963.20	24.04545	(15100921)	446940.92	
3761953.76	22.32136	(14080302)			
446865.72	3761974.54	20.03374	(15101023)	446795.06	
3761957.91	17.64622	(14022022)			
446757.65	3761965.85	16.75686	(15031424)	446709.33	
3761967.74	15.79160	(15101024)			
446796.42	3762028.62	18.71871	(15101024)	446796.97	
3762045.28	18.77747	(15101024)			
446796.70	3762089.51	19.22542	(14011319)	446796.15	
3762105.89	19.37340	(14011319)			
446796.70	3762137.29	19.80764	(14051523)	446796.15	
3762153.39	20.05090	(14051523)			
446772.40	3762215.37	19.75507	(14011518)	446795.06	
3762321.03	20.44968	(15031521)			
446796.42	3762450.98	20.36405	(15032622)	446796.42	
3762471.18	20.40636	(15032622)			
446797.24	3762496.03	20.11106	(15040323)	446798.06	
3762516.51	19.81648	(12101719)			
446797.79	3762539.98	19.84110	(12101719)	446797.52	
3762560.19	19.52239	(12101719)			
446798.61	3762584.76	19.14311	(12020622)	446798.06	
3762604.42	18.99074	(12020622)			
446799.70	3762654.11	18.32504	(15120517)	446799.97	
3762674.58	29.56693	(15062003)			
446800.25	3762700.25	30.42388	(15050124)	446800.25	
3762721.27	30.39293	(15082801)			
446799.97	3762735.74	30.07373	(13051323)	446797.79	
3762748.02	29.93070	(16092723)			

446802.16	3762913.47	25.88720	(12092322)	446802.16
3762932.58	25.33771	(12092322)		
446802.43	3762949.24	24.66685	(12092322)	446802.98
3762967.26	24.16363	(16102419)		
446802.70	3762986.09	24.18788	(14091702)	446802.16
3763003.29	24.33438	(14091702)		
446802.16	3763021.86	24.31308	(14091702)	446802.70
3763040.70	24.30383	(12101421)		
446802.98	3763059.26	24.08026	(12101421)	446803.52
3763077.01	24.05035	(12092801)		
446756.29	3763085.26	21.74387	(15082903)	446807.68
3763646.39	20.48401	(15061924)		
446808.32	3763674.66	20.36145	(13090723)	446807.68
3763694.57	20.24561	(13090723)		
446808.32	3763710.63	20.06954	(13090723)	446808.32
3763726.37	19.85355	(13090723)		
446808.00	3763742.11	19.56402	(13090723)	446808.32
3763756.89	19.29915	(15082523)		
446808.64	3763798.32	18.91055	(15082523)	446810.25
3764484.08	14.98166	(16072603)		
446781.34	3764475.08	14.90930	(12080704)	446722.56
3764455.81	14.75379	(12080704)		
446170.32	3764559.79	12.72162	(12092724)	446872.29
3763190.26	27.09147	(13062901)		
446925.22	3763179.19	28.18510	(13062901)	446984.86
3763194.88	29.52883	(13082922)		
447010.56	3763193.28	30.44202	(13082922)	447036.58
3763193.60	30.87223	(16072804)		
447053.61	3763193.28	31.10752	(16072804)	447076.42
3763192.31	32.11834	(13090723)		
447093.45	3763192.63	32.98514	(13090723)	447122.05
3763192.63	33.32723	(15082523)		
447138.75	3763192.31	33.29905	(15082605)	447167.99
3763192.31	33.71107	(15082605)		
447170.68	3763172.18	34.46353	(15082605)	447170.41
3763158.25	34.86346	(15082605)		
447169.31	3763144.87	35.41886	(15082605)	447147.46
3763107.45	37.26619	(15082523)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 291

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5BLOAD ***
INCLUDING SOURCE(S): 5BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	38.11389	(13090723)	447146.92	
3763064.30	38.48925	(15061924)			
447149.92	3763038.90	38.86012	(15061924)	447148.56	
3763019.78	39.27167	(16072804)			
447148.56	3762997.39	39.68610	(13082922)	447206.08	
3762958.49	42.55816	(15080424)			
447209.33	3762922.51	43.20245	(15080424)	447208.40	

3762890.70	45.43913	(13082922)		
447145.83	3762888.87	42.34122	(16092823)	447122.55
3762889.07	41.14353	(15101401)		
447094.33	3762890.05	39.61258	(12081402)	447071.04
3762890.45	38.23898	(15120720)		
447043.61	3762889.66	37.35479	(15082702)	447017.76
3762888.87	36.01894	(15082702)		
446992.11	3762889.07	34.61169	(12092801)	446964.28
3762888.28	33.72472	(12101421)		
446940.41	3762888.47	32.64433	(14091702)	446911.20
3762888.08	30.66763	(14091702)		
446885.35	3762889.66	29.33725	(16102419)	446862.07
3762888.87	28.85791	(12092322)		
446871.45	3762779.57	32.79607	(15091006)	446926.31
3762768.72	35.78714	(15091006)		
446983.74	3762774.24	38.60266	(12092322)	447009.00
3762774.05	39.71423	(12092322)		
447030.51	3762774.44	39.44409	(16102419)	447055.37
3762774.05	40.96228	(14091620)		
447076.88	3762774.24	42.59649	(15082903)	447101.16
3762774.44	44.85553	(15082903)		
447123.85	3762774.05	46.03110	(12092801)	447148.12
3762775.03	48.88292	(15082702)		
447170.23	3762774.84	50.75989	(15120720)	447196.78
3762775.48	53.04313	(12081402)		
447242.12	3762776.57	56.49340	(16092823)	447262.33
3762776.03	58.31154	(12071303)		
447294.56	3762776.30	59.99737	(15082502)	447313.13
3762775.48	62.59273	(15080424)		
447313.40	3762749.53	65.81940	(15080424)	447327.86
3762713.09	72.83662	(12071303)		
447327.36	3762679.87	48.71398	(14120720)	447327.74
3762657.02	52.30596	(15060921)		
447327.28	3762636.82	55.90776	(15060921)	447327.51
3762612.90	59.34820	(15092021)		
447327.28	3762592.24	64.16903	(15092021)	447327.04
3762569.71	68.28918	(15090919)		
447327.28	3762547.89	73.39271	(15101223)	447326.58
3762524.67	78.60808	(15090824)		
447326.58	3762506.09	80.40263	(15090824)	447327.51
3762477.53	86.81422	(13092602)		
447325.88	3762454.31	91.52209	(15120517)	447225.58
3762432.95	62.62004	(12101719)		
447200.27	3762430.63	57.11572	(12101719)	447156.85
3762430.16	48.61744	(12101719)		
447131.77	3762430.86	44.85057	(15040323)	447102.74
3762430.63	41.24957	(15040323)		
447079.06	3762430.86	38.64657	(15032622)	447034.94
3762433.65	34.36755	(15032622)		
446995.47	3762433.65	31.16423	(15032622)	446972.71
3762434.34	29.50241	(15032622)		
446941.37	3762434.58	27.41820	(15032622)	446916.06
3762436.90	25.90705	(15032622)		
446876.35	3762436.90	23.75337	(15032622)	446848.85
3762647.05	20.07827	(15120517)		
446848.85	3762563.17	21.05512	(12020622)	446849.17
3762509.82	21.90507	(12101719)		
446849.17	3762455.82	22.58200	(15032622)	446848.85
3762702.00	32.87620	(15082801)		
446849.49	3762754.71	32.16166	(16092723)	446739.81
3762428.53	18.77489	(15090905)		
446711.81	3762423.61	18.02559	(15090905)	446687.25
3762416.25	17.39828	(15090905)		
446662.20	3762412.32	16.74116	(15090905)	446636.17
3762403.97	16.06663	(15090905)		
449981.72	3762732.45	4.17128	(15082923)	446486.82

3762231.95	13.07343	(16021518)		
446261.97	3762068.01	9.53909	(14051523)	446443.15
3762291.63	12.18465	(15031521)		
446071.80	3762055.49	7.91907	(14120121)	446072.08
3761983.13	7.87841	(14051523)		
446138.18	3762002.17	8.41539	(14051523)	445884.94
3762039.75	6.73338	(14120121)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 292

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5BREF ***
INCLUDING SOURCE(S): 5BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	22.84449	(14072401)	447375.98	
3764150.98	24.41021	(14072401)			
447389.75	3764043.04	24.67056	(16062805)	447450.16	
3764031.05	24.64311	(15062202)			
447410.18	3764019.05	25.01808	(16062805)	446891.90	
3764451.22	20.05031	(15062904)			
446959.28	3764451.22	20.43122	(12081001)	446995.28	
3764468.13	20.41524	(12081604)			
447007.41	3764467.30	20.46391	(16082102)	447023.51	
3764466.09	20.55739	(16082102)			
447036.59	3764466.21	20.48346	(16062701)	447052.68	
3764465.61	20.79267	(16062701)			
447066.60	3764465.73	20.85531	(16062701)	447099.65	
3764456.17	21.15588	(12071001)			
447145.28	3764468.27	20.99031	(14040923)	447175.54	
3764468.03	20.86434	(12092102)			
447205.32	3764468.27	20.43382	(16062804)	447232.43	
3764467.55	21.02672	(12083006)			
447264.02	3764467.30	21.98290	(12081106)	447294.77	
3764466.94	22.70854	(12081106)			
447364.97	3764456.41	22.34359	(15062301)	447406.61	
3764460.65	22.23735	(15062202)			
447441.47	3764460.04	22.72455	(13090206)	447466.88	
3764460.20	22.65241	(15083004)			
447490.00	3764460.56	22.35288	(15083004)	447515.50	
3764460.40	21.73236	(14060204)			
447573.06	3764454.29	21.98277	(12082822)	447598.49	
3764445.22	22.16402	(12082822)			
447652.90	3764439.70	22.44959	(16092024)	447692.92	
3764439.51	23.08301	(12080905)			
447713.82	3764439.11	22.82579	(12080905)	447731.95	
3764438.72	22.19535	(12080905)			
447751.07	3764438.72	22.83006	(15092701)	447768.82	
3764437.53	23.09009	(15092701)			
447789.12	3764437.73	23.25679	(12080824)	447805.68	
3764437.34	23.44234	(12080824)			
447824.02	3764437.20	23.18446	(12080824)	447841.61	
3764437.87	23.16861	(12090802)			

447861.72	3764437.53	22.80696	(12090802)	447881.66
3764435.18	22.52670	(12090506)		
447902.78	3764436.19	23.06930	(16102922)	447920.87
3764435.35	23.09722	(16102922)		
447942.16	3764435.35	22.57582	(15090723)	447962.77
3764434.85	22.50729	(15090723)		
447980.70	3764435.18	22.56007	(13082502)	448004.66
3764435.18	22.27694	(13082502)		
448021.25	3764434.68	21.98801	(15101706)	447662.70
3764379.63	23.84655	(12080905)		
447681.30	3764320.98	25.18062	(12080905)	447682.64
3764285.79	24.98451	(12080905)		
447662.53	3764238.37	24.46973	(12080905)	447661.70
3764207.37	24.24056	(12080905)		
447683.14	3764162.29	24.10771	(12080905)	447680.97
3764145.87	23.95195	(12080905)		
447679.63	3764130.28	23.78690	(14082624)	447680.80
3764112.02	23.62725	(14082624)		
447681.47	3764096.43	23.64595	(14082624)	447680.80
3764078.84	23.80453	(14082624)		
447679.96	3764064.26	24.08241	(14082624)	447680.97
3764045.82	24.46649	(14082624)		
447680.63	3764029.74	24.85393	(14082624)	447657.17
3763992.03	25.33144	(14082624)		
447656.33	3763967.06	26.04465	(14082624)	447657.17
3763928.69	27.04247	(14082624)		
447657.17	3763902.21	27.76188	(14082624)	447657.51
3763869.03	28.24771	(14082624)		
447656.16	3763834.94	29.21291	(14082624)	447655.93
3763808.27	30.16312	(14082624)		
447657.09	3763786.00	30.98100	(14082624)	447701.21
3763782.14	30.26792	(15092701)		
447856.92	3763749.71	29.15393	(13082502)	447854.99
3763730.13	29.36854	(13082502)		
447854.35	3763698.35	29.65817	(13082502)	447855.31
3763676.84	29.76164	(13082502)		
447675.51	3763287.46	38.94861	(13082522)	448481.33
3763485.29	27.25966	(13061101)		
448479.95	3763195.53	26.95813	(12070924)	448478.56
3762907.16	26.45834	(13090323)		
448497.89	3762714.10	24.69237	(16072623)	448507.91
3762487.71	22.83564	(15082923)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 293

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 5BREF *** INCLUDING SOURCE(S): 5BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)
448480.49	3762357.96	24.26273 (15082823)	448462.73	
3762339.82	24.91187	(15082823)		
448464.47	3762265.93	24.62680 (14073023)	448461.57	

3762165.17	24.05424	(15091023)		
448472.57	3762064.71	22.35048	(15101802)	448460.48
3762016.72	22.46329	(15082520)		
448234.63	3761951.18	30.17855	(15082623)	448081.42
3761952.78	38.68789	(12080622)		
448025.53	3761955.99	42.51518	(15102521)	447506.75
3761967.63	77.71907	(15090923)		
447269.29	3761967.74	54.88548	(15092006)	447389.46
3761908.79	57.67312	(13083002)		
447019.14	3761964.34	35.76397	(15100921)	447060.33
3761963.58	37.72477	(15090903)		
446975.31	3761963.20	32.61284	(15100921)	446940.92
3761953.76	30.44329	(14080302)		
446865.72	3761974.54	27.42983	(15021322)	446795.06
3761957.91	24.14720	(14022022)		
446757.65	3761965.85	22.90100	(16021805)	446709.33
3761967.74	21.57022	(13011919)		
446796.42	3762028.62	25.77792	(15101024)	446796.97
3762045.28	25.92268	(15101024)		
446796.70	3762089.51	26.34973	(12020618)	446796.15
3762105.89	26.67297	(14011319)		
446796.70	3762137.29	27.19889	(13121117)	446796.15
3762153.39	27.41519	(15031523)		
446772.40	3762215.37	26.77600	(14120121)	446795.06
3762321.03	28.46268	(15031521)		
446796.42	3762450.98	27.48654	(15090905)	446796.42
3762471.18	27.91275	(15032622)		
446797.24	3762496.03	28.04705	(15032622)	446798.06
3762516.51	27.59607	(15040323)		
446797.79	3762539.98	27.19750	(12101719)	446797.52
3762560.19	27.40986	(12101719)		
446798.61	3762584.76	26.52631	(12101719)	446798.06
3762604.42	26.26051	(12020622)		
446799.70	3762654.11	25.52052	(16112103)	446799.97
3762674.58	28.60715	(14120205)		
446800.25	3762700.25	30.37053	(16112007)	446800.25
3762721.27	30.52942	(12112420)		
446799.97	3762735.74	30.32965	(12112420)	446797.79
3762748.02	29.76741	(12112420)		
446802.16	3762913.47	25.11687	(14091521)	446802.16
3762932.58	25.56128	(14091521)		
446802.43	3762949.24	25.59459	(14091521)	446802.98
3762967.26	25.25963	(14091521)		
446802.70	3762986.09	24.78495	(14091521)	446802.16
3763003.29	24.89307	(15101223)		
446802.16	3763021.86	25.09158	(14091620)	446802.70
3763040.70	25.34935	(14091620)		
446802.98	3763059.26	25.18229	(14091620)	446803.52
3763077.01	25.10204	(13112717)		
446756.29	3763085.26	22.31653	(14091620)	446807.68
3763646.39	24.32728	(15061924)		
446808.32	3763674.66	24.35533	(15061924)	446807.68
3763694.57	24.24994	(15061924)		
446808.32	3763710.63	23.97962	(15061924)	446808.32
3763726.37	23.91730	(13090723)		
446808.00	3763742.11	23.70891	(13090723)	446808.32
3763756.89	23.46490	(13090723)		
446808.64	3763798.32	23.27555	(15082523)	446810.25
3764484.08	19.29887	(13062605)		
446781.34	3764475.08	19.60980	(12080704)	446722.56
3764455.81	18.88222	(12072004)		
446170.32	3764559.79	16.47191	(14081603)	446872.29
3763190.26	29.96282	(12081402)		
446925.22	3763179.19	32.01736	(16092823)	446984.86
3763194.88	31.85098	(13052304)		
447010.56	3763193.28	33.91225	(12071303)	447036.58

3763193.60	34.28678	(15082502)		
447053.61	3763193.28	34.49616	(15082502)	447076.42
3763192.31	35.51984	(15080424)		
447093.45	3763192.63	36.93107	(15080424)	447122.05
3763192.63	36.90329	(15082523)		
447138.75	3763192.31	37.34297	(15082523)	447167.99
3763192.31	37.43798	(15082605)		
447170.68	3763172.18	37.70541	(15071922)	447170.41
3763158.25	38.00717	(15071922)		
447169.31	3763144.87	38.77457	(15082523)	447147.46
3763107.45	41.27318	(16061822)		

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 294

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5BREF ***
INCLUDING SOURCE(S): 5BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	41.91486	(16061822)	447146.92	
3763064.30	41.63615	(16061822)			
447149.92	3763038.90	41.97221	(12120303)	447148.56	
3763019.78	42.37217	(15030520)			
447148.56	3762997.39	42.30771	(12071303)	447206.08	
3762958.49	44.09277	(15030520)			
447209.33	3762922.51	45.14449	(15030520)	447208.40	
3762890.70	46.06136	(14120720)			
447145.83	3762888.87	43.93393	(15060921)	447122.55	
3762889.07	41.70047	(15060921)			
447094.33	3762890.05	39.11729	(15120720)	447071.04	
3762890.45	38.79437	(15092021)			
447043.61	3762889.66	38.26576	(14100721)	447017.76	
3762888.87	37.27904	(14100721)			
446992.11	3762889.07	35.83425	(14091620)	446964.28	
3762888.28	35.11551	(14091620)			
446940.41	3762888.47	33.38667	(15101223)	446911.20	
3762888.08	31.92138	(14091521)			
446885.35	3762889.66	30.95542	(14091521)	446862.07	
3762888.87	29.56478	(14091521)			
446871.45	3762779.57	33.24870	(16110920)	446926.31	
3762768.72	35.69795	(16110920)			
446983.74	3762774.24	37.50543	(16092605)	447009.00	
3762774.05	40.30121	(14091521)			
447030.51	3762774.44	40.96656	(14091521)	447055.37	
3762774.05	41.56738	(14091521)			
447076.88	3762774.24	43.13334	(15101223)	447101.16	
3762774.44	45.44452	(14091620)			
447123.85	3762774.05	46.86141	(14100721)	447148.12	
3762775.03	50.10561	(14100721)			
447170.23	3762774.84	51.43803	(15092021)	447196.78	
3762775.48	52.23290	(15092021)			
447242.12	3762776.57	58.40216	(15060921)	447262.33	
3762776.03	60.08400	(15062722)			

447294.56	3762776.30	60.74236	(14120720)	447313.13
3762775.48	62.47146	(15030520)		
447313.40	3762749.53	66.81084	(14120720)	447327.86
3762713.09	73.46555	(14120720)		
447327.36	3762679.87	69.67997	(15060921)	447327.74
3762657.02	74.43714	(15060921)		
447327.28	3762636.82	77.65002	(15092021)	447327.51
3762612.90	85.10480	(15092021)		
447327.28	3762592.24	89.53469	(15090919)	447327.04
3762569.71	96.16697	(15101223)		
447327.28	3762547.89	101.81278	(15090824)	447326.58
3762524.67	103.74144	(16112718)		
447326.58	3762506.09	109.99696	(13092602)	447327.51
3762477.53	116.12564	(14051202)		
447325.88	3762454.31	122.72428	(14022724)	447225.58
3762432.95	82.87925	(12101719)		
447200.27	3762430.63	76.30456	(15040323)	447156.85
3762430.16	66.38349	(15032622)		
447131.77	3762430.86	61.49414	(15032622)	447102.74
3762430.63	56.38742	(15032622)		
447079.06	3762430.86	52.58194	(15032622)	447034.94
3762433.65	46.47836	(15032622)		
446995.47	3762433.65	41.66860	(15032622)	446972.71
3762434.34	39.24229	(15032622)		
446941.37	3762434.58	36.52258	(15090905)	446916.06
3762436.90	34.66594	(15090905)		
446876.35	3762436.90	32.40086	(15090905)	446848.85
3762647.05	27.69377	(14022724)		
446848.85	3762563.17	29.56082	(12101719)	446849.17
3762509.82	30.13042	(15040323)		
446849.17	3762455.82	30.44217	(15032622)	446848.85
3762702.00	33.00570	(12112420)		
446849.49	3762754.71	32.33405	(13092722)	446739.81
3762428.53	26.17048	(15090905)		
446711.81	3762423.61	25.03791	(15090905)	446687.25
3762416.25	23.98425	(15090905)		
446662.20	3762412.32	22.94250	(15090905)	446636.17
3762403.97	21.72304	(15090905)		
449981.72	3762732.45	6.00272	(12100120)	446486.82
3762231.95	18.04744	(14011518)		
446261.97	3762068.01	13.28976	(14051523)	446443.15
3762291.63	17.06014	(15031521)		
446071.80	3762055.49	11.03526	(13121806)	446072.08
3761983.13	10.98481	(15031523)		
446138.18	3762002.17	11.70193	(15031523)	445884.94
3762039.75	9.44981	(14120121)		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 295

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5BSPILL ***
 INCLUDING SOURCE(S) : 5BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD
 (M) CONC (YYMMDDHH)

447362.21	3764292.67	27.72310	(14072401)	447375.98
3764150.98	29.56331	(14072401)		
447389.75	3764043.04	29.66627	(16062805)	447450.16
3764031.05	29.56822	(15062202)		
447410.18	3764019.05	30.16674	(16062805)	446891.90
3764451.22	24.44664	(15062904)		
446959.28	3764451.22	24.83024	(12081001)	446995.28
3764468.13	24.81653	(12081604)		
447007.41	3764467.30	24.97772	(16082102)	447023.51
3764466.09	25.10615	(16082102)		
447036.59	3764466.21	24.83387	(16082102)	447052.68
3764465.61	25.30711	(16062701)		
447066.60	3764465.73	25.35893	(16062701)	447099.65
3764456.17	25.85246	(15032722)		
447145.28	3764468.27	25.56669	(14040923)	447175.54
3764468.03	25.36958	(12092102)		
447205.32	3764468.27	24.86116	(12080203)	447232.43
3764467.55	25.64834	(12083006)		
447264.02	3764467.30	26.74737	(12083006)	447294.77
3764466.94	27.72059	(12081106)		
447364.97	3764456.41	27.37502	(15062301)	447406.61
3764460.65	27.24908	(15062202)		
447441.47	3764460.04	27.79123	(13090206)	447466.88
3764460.20	27.69354	(15083004)		
447490.00	3764460.56	27.20994	(15083004)	447515.50
3764460.40	26.61313	(14060204)		
447573.06	3764454.29	26.79601	(12082822)	447598.49
3764445.22	26.98856	(12082822)		
447652.90	3764439.70	27.50601	(16092024)	447692.92
3764439.51	28.23450	(12080905)		
447713.82	3764439.11	27.73504	(12080905)	447731.95
3764438.72	27.12881	(15051420)		
447751.07	3764438.72	27.78845	(15092701)	447768.82
3764437.53	28.22329	(15092701)		
447789.12	3764437.73	28.43923	(12080824)	447805.68
3764437.34	28.76397	(12080824)		
447824.02	3764437.20	28.25726	(12080824)	447841.61
3764437.87	28.43580	(12090802)		
447861.72	3764437.53	27.78379	(12090802)	447881.66
3764435.18	27.69189	(12090506)		
447902.78	3764436.19	28.16810	(16102922)	447920.87
3764435.35	28.24167	(16102922)		
447942.16	3764435.35	27.71613	(15090723)	447962.77
3764434.85	27.61578	(15090723)		
447980.70	3764435.18	27.68962	(13082502)	448004.66
3764435.18	27.26204	(13082502)		
448021.25	3764434.68	26.94358	(15101706)	447662.70
3764379.63	28.97530	(16092024)		
447681.30	3764320.98	30.80657	(12080905)	447682.64
3764285.79	30.49810	(12080905)		
447662.53	3764238.37	29.55153	(12080905)	447661.70
3764207.37	29.20385	(12080905)		
447683.14	3764162.29	29.12715	(14082624)	447680.97
3764145.87	28.94481	(14082624)		
447679.63	3764130.28	28.69509	(14082624)	447680.80
3764112.02	28.43435	(14082624)		
447681.47	3764096.43	28.41616	(14082624)	447680.80
3764078.84	28.58301	(14082624)		
447679.96	3764064.26	28.91700	(14082624)	447680.97
3764045.82	29.37051	(14082624)		
447680.63	3764029.74	29.84080	(14082624)	447657.17
3763992.03	30.33305	(14082624)		
447656.33	3763967.06	31.21443	(14082624)	447657.17
3763928.69	32.45568	(14082624)		
447657.17	3763902.21	33.34255	(14082624)	447657.51

3763869.03	33.89505	(14082624)		
447656.16	3763834.94	35.06637	(14082624)	447655.93
3763808.27	36.24396	(14082624)		
447657.09	3763786.00	37.26107	(14082624)	447701.21
3763782.14	36.33186	(12052003)		
447856.92	3763749.71	34.83535	(13082502)	447854.99
3763730.13	35.03736	(13082502)		
447854.35	3763698.35	35.25483	(13082502)	447855.31
3763676.84	35.23641	(13082502)		
447675.51	3763287.46	44.78082	(14090103)	448481.33
3763485.29	32.53106	(13061101)		
448479.95	3763195.53	31.20555	(12070924)	448478.56
3762907.16	29.94479	(13090323)		
448497.89	3762714.10	27.49021	(16072623)	448507.91
3762487.71	28.41035	(12100120)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 296

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5BSPILL ***
INCLUDING SOURCE(S): 5BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	30.17697	(15082823)	448462.73	
3762339.82	30.96227	(14082723)			
448464.47	3762265.93	30.63233	(14073023)	448461.57	
3762165.17	29.98303	(16072724)			
448472.57	3762064.71	27.75555	(15101802)	448460.48	
3762016.72	28.06116	(15082520)			
448234.63	3761951.18	37.52085	(15082623)	448081.42	
3761952.78	48.05962	(13083101)			
448025.53	3761955.99	52.77117	(15102521)	447506.75	
3761967.63	96.56237	(15090923)			
447269.29	3761967.74	68.13089	(16092006)	447389.46	
3761908.79	71.60877	(13083002)			
447019.14	3761964.34	44.53869	(15100921)	447060.33	
3761963.58	46.88878	(15090903)			
446975.31	3761963.20	40.55655	(15101102)	446940.92	
3761953.76	37.86823	(14080302)			
446865.72	3761974.54	34.16640	(15021322)	446795.06	
3761957.91	30.02283	(14022022)			
446757.65	3761965.85	28.55834	(16021805)	446709.33	
3761967.74	26.86110	(13011919)			
446796.42	3762028.62	32.16861	(15101024)	446796.97	
3762045.28	32.24032	(15101024)			
446796.70	3762089.51	32.78743	(12020618)	446796.15	
3762105.89	33.26761	(14011319)			
446796.70	3762137.29	33.87914	(13121117)	446796.15	
3762153.39	34.19800	(15031523)			
446772.40	3762215.37	33.28903	(14120121)	446795.06	
3762321.03	35.33715	(15031521)			
446796.42	3762450.98	33.84127	(13022424)	446796.42	
3762471.18	34.46411	(15032622)			

446797.24	3762496.03	34.86673	(15032622)	446798.06
3762516.51	34.19753	(15040323)		
446797.79	3762539.98	33.62222	(16122321)	446797.52
3762560.19	34.19528	(12101719)		
446798.61	3762584.76	32.63977	(12101719)	446798.06
3762604.42	32.52484	(12020622)		
446799.70	3762654.11	31.77503	(16112103)	446799.97
3762674.58	31.89556	(16102407)		
446800.25	3762700.25	33.95988	(16112007)	446800.25
3762721.27	33.77304	(14051202)		
446799.97	3762735.74	33.61839	(14051202)	446797.79
3762748.02	32.94911	(13092722)		
446802.16	3762913.47	27.01375	(14091521)	446802.16
3762932.58	27.95059	(14091521)		
446802.43	3762949.24	28.19833	(14091521)	446802.98
3762967.26	27.85501	(14091521)		
446802.70	3762986.09	27.71029	(15090824)	446802.16
3763003.29	28.13899	(15101223)		
446802.16	3763021.86	28.16977	(15101223)	446802.70
3763040.70	28.08577	(14091620)		
446802.98	3763059.26	27.88146	(14091620)	446803.52
3763077.01	28.25264	(14100721)		
446756.29	3763085.26	24.39185	(14091620)	446807.68
3763646.39	28.85263	(14060102)		
446808.32	3763674.66	28.87451	(15061924)	446807.68
3763694.57	28.82517	(15061924)		
446808.32	3763710.63	28.48143	(15061924)	446808.32
3763726.37	28.31639	(13090723)		
446808.00	3763742.11	28.11980	(13090723)	446808.32
3763756.89	27.83318	(13090723)		
446808.64	3763798.32	27.76673	(15082523)	446810.25
3764484.08	23.60427	(13062605)		
446781.34	3764475.08	23.89361	(12080704)	446722.56
3764455.81	23.01876	(14080203)		
446170.32	3764559.79	20.03722	(14081603)	446872.29
3763190.26	34.52713	(12081402)		
446925.22	3763179.19	37.06378	(16092823)	446984.86
3763194.88	36.57471	(13052304)		
447010.56	3763193.28	39.02088	(12071303)	447036.58
3763193.60	39.35426	(15030520)		
447053.61	3763193.28	40.00503	(12120303)	447076.42
3763192.31	41.05765	(16061822)		
447093.45	3763192.63	42.98691	(16061822)	447122.05
3763192.63	42.21353	(16083006)		
447138.75	3763192.31	42.64936	(12071304)	447167.99
3763192.31	42.99098	(14070305)		
447170.68	3763172.18	43.67142	(15071922)	447170.41
3763158.25	43.94491	(15071922)		
447169.31	3763144.87	44.69413	(12071304)	447147.46
3763107.45	48.14198	(16061822)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 297

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 5BSPILL *** INCLUDING SOURCE(S): 5BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	48.62155	(16061822)	447146.92	
3763064.30	47.99580	(12120303)			
447149.92	3763038.90	48.15957	(12120303)	447148.56	
3763019.78	48.87210	(15030520)			
447148.56	3762997.39	48.11498	(15030520)	447206.08	
3762958.49	49.37214	(15030520)			
447209.33	3762922.51	50.13702	(15030520)	447208.40	
3762890.70	52.44291	(14120720)			
447145.83	3762888.87	49.86529	(15060921)	447122.55	
3762889.07	46.80351	(15060921)			
447094.33	3762890.05	43.98890	(15092021)	447071.04	
3762890.45	44.51350	(15092021)			
447043.61	3762889.66	43.06622	(14100721)	447017.76	
3762888.87	42.09365	(14100721)			
446992.11	3762889.07	39.83337	(14120719)	446964.28	
3762888.28	39.05149	(15101223)			
446940.41	3762888.47	37.97277	(15101223)	446911.20	
3762888.08	35.52947	(14091521)			
446885.35	3762889.66	34.50928	(14091521)	446862.07	
3762888.87	32.68502	(14091521)			
446871.45	3762779.57	36.68412	(16110920)	446926.31	
3762768.72	39.70232	(13092602)			
446983.74	3762774.24	40.71246	(16092605)	447009.00	
3762774.05	44.31957	(14091521)			
447030.51	3762774.44	44.97441	(14091521)	447055.37	
3762774.05	46.03896	(15090824)			
447076.88	3762774.24	47.97033	(15101223)	447101.16	
3762774.44	50.47574	(15101223)			
447123.85	3762774.05	52.11731	(14120719)	447148.12	
3762775.03	55.72819	(14100721)			
447170.23	3762774.84	58.45602	(15092021)	447196.78	
3762775.48	58.64423	(15092021)			
447242.12	3762776.57	65.34872	(15060921)	447262.33	
3762776.03	65.62934	(15062722)			
447294.56	3762776.30	67.79901	(14120720)	447313.13	
3762775.48	69.30757	(15031223)			
447313.40	3762749.53	74.63589	(14120720)	447327.86	
3762713.09	81.60429	(14120720)			
447327.36	3762679.87	85.94448	(15060921)	447327.74	
3762657.02	91.95018	(15060921)			
447327.28	3762636.82	94.86721	(12122017)	447327.51	
3762612.90	105.43897	(15092021)			
447327.28	3762592.24	110.92650	(15090919)	447327.04	
3762569.71	118.90415	(15101223)			
447327.28	3762547.89	125.40792	(15090824)	447326.58	
3762524.67	127.81374	(16112718)			
447326.58	3762506.09	135.69557	(13092602)	447327.51	
3762477.53	143.17190	(14051202)			
447325.88	3762454.31	151.82353	(14022724)	447225.58	
3762432.95	101.59109	(12101719)			
447200.27	3762430.63	94.35103	(15040323)	447156.85	
3762430.16	82.22295	(15032622)			
447131.77	3762430.86	76.29269	(15032622)	447102.74	
3762430.63	69.92326	(15032622)			
447079.06	3762430.86	65.07550	(15032622)	447034.94	
3762433.65	57.31241	(15032622)			
446995.47	3762433.65	50.98024	(15032622)	446972.71	
3762434.34	47.95952	(15112622)			
446941.37	3762434.58	44.92002	(13022424)	446916.06	
3762436.90	42.59363	(13022424)			
446876.35	3762436.90	39.51638	(15090905)	446848.85	

3762647.05	34.52531	(14022724)		
446848.85	3762563.17	36.62165	(12101719)	446849.17
3762509.82	37.20873	(15040323)		
446849.17	3762455.82	37.27722	(15032622)	446848.85
3762702.00	36.49438	(14051202)		
446849.49	3762754.71	36.04919	(13092722)	446739.81
3762428.53	32.53965	(15090905)		
446711.81	3762423.61	31.14576	(15090905)	446687.25
3762416.25	29.74327	(15090905)		
446662.20	3762412.32	28.34369	(15090905)	446636.17
3762403.97	26.86321	(14100421)		
449981.72	3762732.45	7.50794	(12100120)	446486.82
3762231.95	22.40511	(14011518)		
446261.97	3762068.01	16.44699	(14051523)	446443.15
3762291.63	21.29261	(15031521)		
446071.80	3762055.49	13.78381	(13121806)	446072.08
3761983.13	13.72305	(15031523)		
446138.18	3762002.17	14.60549	(15031523)	445884.94
3762039.75	11.79180	(14120121)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 298

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CBRE ***
INCLUDING SOURCE(S): 5CBRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	18.72934	(14072401)	447375.98	
3764150.98	20.22607	(14072401)			
447389.75	3764043.04	20.80241	(14072401)	447450.16	
3764031.05	20.93329	(15062202)			
447410.18	3764019.05	20.97406	(14072401)	446891.90	
3764451.22	16.08728	(16072603)			
446959.28	3764451.22	16.36253	(12081001)	446995.28	
3764468.13	16.51783	(12081001)			
447007.41	3764467.30	16.55070	(12081604)	447023.51	
3764466.09	16.62557	(12081604)			
447036.59	3764466.21	16.58892	(12081604)	447052.68	
3764465.61	16.61314	(13091705)			
447066.60	3764465.73	16.72124	(16062701)	447099.65	
3764456.17	17.06813	(16062701)			
447145.28	3764468.27	16.89308	(12071001)	447175.54	
3764468.03	16.77639	(15080504)			
447205.32	3764468.27	16.78395	(12092102)	447232.43	
3764467.55	16.95304	(12092102)			
447264.02	3764467.30	17.49909	(12051402)	447294.77	
3764466.94	18.23413	(12081106)			
447364.97	3764456.41	17.81171	(15062301)	447406.61	
3764460.65	17.75924	(15062202)			
447441.47	3764460.04	18.23790	(13090206)	447466.88	
3764460.20	18.15706	(13090206)			
447490.00	3764460.56	18.10524	(15083004)	447515.50	
3764460.40	17.68490	(15083004)			

447573.06	3764454.29	17.71937	(12082822)	447598.49
3764445.22	17.93544	(12082822)		
447652.90	3764439.70	18.20195	(12102719)	447692.92
3764439.51	18.56082	(12080905)		
447713.82	3764439.11	18.42048	(12080905)	447731.95
3764438.72	18.29724	(15092701)		
447751.07	3764438.72	18.50596	(15092701)	447768.82
3764437.53	18.57159	(15092701)		
447789.12	3764437.73	18.67609	(12080824)	447805.68
3764437.34	18.67691	(12080824)		
447824.02	3764437.20	18.51096	(12090802)	447841.61
3764437.87	18.43591	(12090802)		
447861.72	3764437.53	18.27543	(16102922)	447881.66
3764435.18	18.56266	(16102922)		
447902.78	3764436.19	18.58586	(16102922)	447920.87
3764435.35	18.41875	(16102922)		
447942.16	3764435.35	17.97401	(16102922)	447962.77
3764434.85	17.99426	(13082502)		
447980.70	3764435.18	18.01669	(14070405)	448004.66
3764435.18	18.00579	(14070405)		
448021.25	3764434.68	17.63335	(16072903)	447662.70
3764379.63	19.41982	(12080905)		
447681.30	3764320.98	20.33732	(12080905)	447682.64
3764285.79	20.31313	(12080905)		
447662.53	3764238.37	20.23481	(12080905)	447661.70
3764207.37	20.18373	(12080905)		
447683.14	3764162.29	20.15844	(12080905)	447680.97
3764145.87	20.11601	(12080905)		
447679.63	3764130.28	20.03353	(12080905)	447680.80
3764112.02	19.95931	(12080905)		
447681.47	3764096.43	20.01808	(12080905)	447680.80
3764078.84	20.19041	(12080905)		
447679.96	3764064.26	20.44497	(12080905)	447680.97
3764045.82	20.79532	(12080905)		
447680.63	3764029.74	21.14163	(12080905)	447657.17
3763992.03	21.69747	(12080905)		
447656.33	3763967.06	22.32878	(12080905)	447657.17
3763928.69	23.21812	(12080905)		
447657.17	3763902.21	23.86766	(12080905)	447657.51
3763869.03	24.37142	(12080905)		
447656.16	3763834.94	25.26708	(12080905)	447655.93
3763808.27	26.12179	(12080905)		
447657.09	3763786.00	26.85505	(12080905)	447701.21
3763782.14	26.83343	(12080824)		
447856.92	3763749.71	25.35527	(15101706)	447854.99
3763730.13	25.65608	(15101706)		
447854.35	3763698.35	26.12426	(15101706)	447855.31
3763676.84	26.50353	(16072903)		
447675.51	3763287.46	38.90129	(13082522)	448481.33
3763485.29	23.16997	(13081424)		
448479.95	3763195.53	23.53992	(14032405)	448478.56
3762907.16	23.88552	(12090723)		
448497.89	3762714.10	16.02556	(15081321)	448507.91
3762487.71	16.55012	(15082823)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 299

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CBRE ***
INCLUDING SOURCE(S): 5CBRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF OTHER		IN		
		MICROGRAMS/M**3			**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)		X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)				
448480.49	3762357.96	17.11860	(14082722)		448462.73	
3762339.82	17.63249	(15082521)				
448464.47	3762265.93	17.04168	(15091023)		448461.57	
3762165.17	16.25681	(12092023)				
448472.57	3762064.71	15.16947	(14051421)		448460.48	
3762016.72	14.83496	(15082624)				
448234.63	3761951.18	18.72213	(12080622)		448081.42	
3761952.78	23.04848	(13110118)				
448025.53	3761955.99	25.09972	(16082922)		447506.75	
3761967.63	37.21518	(15092103)				
447269.29	3761967.74	29.66781	(12091405)		447389.46	
3761908.79	30.01210	(15090901)				
447019.14	3761964.34	21.16621	(15090904)		447060.33	
3761963.58	22.36730	(15090904)				
446975.31	3761963.20	19.66088	(16111022)		446940.92	
3761953.76	18.65310	(12100204)				
446865.72	3761974.54	17.72676	(15100921)		446795.06	
3761957.91	15.95013	(15100921)				
446757.65	3761965.85	15.06073	(14080302)		446709.33	
3761967.74	13.98871	(14080302)				
446796.42	3762028.62	16.36695	(15101023)		446796.97	
3762045.28	16.70746	(15101023)				
446796.70	3762089.51	17.13449	(14022022)		446796.15	
3762105.89	17.24747	(14022022)				
446796.70	3762137.29	17.78142	(15101024)		446796.15	
3762153.39	18.03912	(15101024)				
446772.40	3762215.37	17.81400	(14011319)		446795.06	
3762321.03	19.39231	(14120121)				
446796.42	3762450.98	20.05706	(15031521)		446796.42	
3762471.18	19.64355	(16041722)				
446797.24	3762496.03	19.76196	(16041722)		446798.06	
3762516.51	20.17375	(15090905)				
446797.79	3762539.98	20.40288	(15090905)		446797.52	
3762560.19	20.22917	(15090905)				
446798.61	3762584.76	19.69513	(15032622)		446798.06	
3762604.42	19.85878	(15032622)				
446799.70	3762654.11	19.26866	(15040323)		446799.97	
3762674.58	19.33293	(12101719)				
446800.25	3762700.25	19.08754	(12101719)		446800.25	
3762721.27	18.56978	(12020622)				
446799.97	3762735.74	18.57893	(12020622)		446797.79	
3762748.02	18.42508	(12020622)				
446802.16	3762913.47	16.37106	(13092722)		446802.16	
3762932.58	16.16620	(13092602)				
446802.43	3762949.24	16.11961	(13092602)		446802.98	
3762967.26	15.95028	(13092602)				
446802.70	3762986.09	15.62864	(13092602)		446802.16	
3763003.29	15.27058	(16112718)				
446802.16	3763021.86	14.87374	(14091521)		446802.70	
3763040.70	14.95530	(14091521)				
446802.98	3763059.26	24.13220	(12092322)		446803.52	
3763077.01	24.05003	(12092322)				
446756.29	3763085.26	13.77941	(14091521)		446807.68	
3763646.39	21.47197	(13082922)				
446808.32	3763674.66	20.92162	(13082922)		446807.68	
3763694.57	20.72301	(16072804)				
446808.32	3763710.63	20.58710	(16072804)		446808.32	

3763726.37	20.39476	(16072804)		
446808.00	3763742.11	20.10749	(16072804)	446808.32
3763756.89	19.81404	(16072804)		
446808.64	3763798.32	19.45947	(15061924)	446810.25
3764484.08	15.70578	(12080704)		
446781.34	3764475.08	15.40363	(12080704)	446722.56
3764455.81	15.30101	(15092502)		
446170.32	3764559.79	12.78443	(15082503)	446872.29
3763190.26	27.55918	(15082702)		
446925.22	3763179.19	29.72791	(15082702)	446984.86
3763194.88	30.19351	(13062901)		
447010.56	3763193.28	31.80154	(13062901)	447036.58
3763193.60	32.08025	(13062901)		
447053.61	3763193.28	32.53094	(16060105)	447076.42
3763192.31	33.98871	(13082922)		
447093.45	3763192.63	35.29651	(13082922)	447122.05
3763192.63	35.56796	(13082922)		
447138.75	3763192.31	35.59579	(16072804)	447167.99
3763192.31	36.53845	(15061924)		
447170.68	3763172.18	37.05870	(15061924)	447170.41
3763158.25	37.13733	(15080424)		
447169.31	3763144.87	37.91641	(15082502)	447147.46
3763107.45	40.37890	(13082922)		

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops ***            10/19/22
*** AERMET - VERSION 16216 ***
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09:18:50

PAGE 300

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CBRE ***
INCLUDING SOURCE(S): 5CBRE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	40.66782	(13082922)	447146.92	
3763064.30	41.11596	(16092823)			
447149.92	3763038.90	42.19743	(16092823)	447148.56	
3763019.78	42.74384	(15101401)			
447148.56	3762997.39	43.24387	(12081402)	447206.08	
3762958.49	47.34199	(16092823)			
447209.33	3762922.51	30.89407	(15060921)	447208.40	
3762890.70	32.81998	(15092021)			
447145.83	3762888.87	29.46585	(15090919)	447122.55	
3762889.07	28.57100	(15101223)			
447094.33	3762890.05	27.44217	(15101223)	447071.04	
3762890.45	26.39456	(15090824)			
447043.61	3762889.66	24.99479	(15090824)	447017.76	
3762888.87	23.58751	(14091521)			
446992.11	3762889.07	22.13431	(14091521)	446964.28	
3762888.28	21.38754	(13092602)			
446940.41	3762888.47	20.75216	(13092602)	446911.20	
3762888.08	19.84779	(13092602)			
446885.35	3762889.66	18.93401	(13092602)	446862.07	
3762888.87	18.07557	(13092722)			
446871.45	3762779.57	20.34105	(15120517)	446926.31	
3762768.72	22.62891	(15120517)			

446983.74	3762774.24	24.57148	(15120517)	447009.00
3762774.05	25.94592	(13092722)		
447030.51	3762774.44	27.09855	(13092722)	447055.37
3762774.05	28.35374	(13092722)		
447076.88	3762774.24	29.81804	(13092602)	447101.16
3762774.44	31.60833	(13092602)		
447123.85	3762774.05	33.15590	(13092602)	447148.12
3762775.03	34.48855	(16112718)		
447170.23	3762774.84	36.85217	(14091521)	447196.78
3762775.48	39.99127	(15090824)		
447242.12	3762776.57	44.40787	(15101223)	447262.33
3762776.03	45.97667	(15090919)		
447294.56	3762776.30	50.17507	(15092021)	447313.13
3762775.48	52.24175	(15092021)		
447313.40	3762749.53	56.11495	(15092021)	447327.86
3762713.09	64.06245	(15101223)		
447327.36	3762679.87	71.19612	(15090824)	447327.74
3762657.02	73.29107	(14091521)		
447327.28	3762636.82	77.23462	(13092602)	447327.51
3762612.90	81.05437	(13092722)		
447327.28	3762592.24	86.06795	(15120517)	447327.04
3762569.71	89.54443	(12020622)		
447327.28	3762547.89	94.65124	(12101719)	447326.58
3762524.67	111.69088	(12110208)		
447326.58	3762506.09	123.44308	(12110208)	447327.51
3762477.53	112.05660	(12110208)		
447325.88	3762454.31	99.58151	(16021518)	447225.58
3762432.95	62.00298	(14011518)		
447200.27	3762430.63	56.24729	(14011518)	447156.85
3762430.16	48.29418	(16021518)		
447131.77	3762430.86	44.65349	(16021518)	447102.74
3762430.63	40.91872	(16021518)		
447079.06	3762430.86	38.23336	(16021518)	447034.94
3762433.65	33.95502	(16021518)		
446995.47	3762433.65	30.75184	(16021518)	446972.71
3762434.34	29.11801	(16021518)		
446941.37	3762434.58	27.10611	(16021518)	446916.06
3762436.90	25.59430	(16021518)		
446876.35	3762436.90	23.53297	(16021518)	446848.85
3762647.05	21.08896	(12101719)		
446848.85	3762563.17	22.05876	(15090905)	446849.17
3762509.82	22.09732	(15090905)		
446849.17	3762455.82	22.07711	(15031521)	446848.85
3762702.00	20.45925	(12101719)		
446849.49	3762754.71	19.75650	(16112103)	446739.81
3762428.53	18.33030	(16021518)		
446711.81	3762423.61	17.55159	(16021518)	446687.25
3762416.25	16.93961	(16021518)		
446662.20	3762412.32	16.31434	(16021518)	446636.17
3762403.97	15.72505	(16021518)		
449981.72	3762732.45	4.22350	(15101322)	446486.82
3762231.95	12.23294	(14051523)		
446261.97	3762068.01	9.02858	(14011319)	446443.15
3762291.63	11.69992	(14011518)		
446071.80	3762055.49	7.57846	(13121117)	446072.08
3761983.13	7.36431	(14011319)		
446138.18	3762002.17	7.84927	(12020618)	445884.94
3762039.75	6.47360	(15031523)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5CLOAD ***
 INCLUDING SOURCE(S): 5CLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	18.72924	(14072401)	447375.98	
3764150.98	20.22597	(14072401)			
447389.75	3764043.04	20.80232	(14072401)	447450.16	
3764031.05	20.93321	(15062202)			
447410.18	3764019.05	20.97398	(14072401)	446891.90	
3764451.22	16.08719	(16072603)			
446959.28	3764451.22	16.36244	(12081001)	446995.28	
3764468.13	16.51774	(12081001)			
447007.41	3764467.30	16.55061	(12081604)	447023.51	
3764466.09	16.62547	(12081604)			
447036.59	3764466.21	16.58883	(12081604)	447052.68	
3764465.61	16.61293	(13091705)			
447066.60	3764465.73	16.72114	(16062701)	447099.65	
3764456.17	17.06803	(16062701)			
447145.28	3764468.27	16.89298	(12071001)	447175.54	
3764468.03	16.77629	(15080504)			
447205.32	3764468.27	16.78386	(12092102)	447232.43	
3764467.55	16.95294	(12092102)			
447264.02	3764467.30	17.49878	(12051402)	447294.77	
3764466.94	18.23401	(12081106)			
447364.97	3764456.41	17.81160	(15062301)	447406.61	
3764460.65	17.75914	(15062202)			
447441.47	3764460.04	18.23779	(13090206)	447466.88	
3764460.20	18.15695	(13090206)			
447490.00	3764460.56	18.10513	(15083004)	447515.50	
3764460.40	17.68480	(15083004)			
447573.06	3764454.29	17.71928	(12082822)	447598.49	
3764445.22	17.93534	(12082822)			
447652.90	3764439.70	18.20185	(12102719)	447692.92	
3764439.51	18.56070	(12080905)			
447713.82	3764439.11	18.42036	(12080905)	447731.95	
3764438.72	18.29713	(15092701)			
447751.07	3764438.72	18.50584	(15092701)	447768.82	
3764437.53	18.57147	(15092701)			
447789.12	3764437.73	18.67597	(12080824)	447805.68	
3764437.34	18.67679	(12080824)			
447824.02	3764437.20	18.51084	(12090802)	447841.61	
3764437.87	18.43579	(12090802)			
447861.72	3764437.53	18.27532	(16102922)	447881.66	
3764435.18	18.56254	(16102922)			
447902.78	3764436.19	18.58574	(16102922)	447920.87	
3764435.35	18.41863	(16102922)			
447942.16	3764435.35	17.97390	(16102922)	447962.77	
3764434.85	17.99415	(13082502)			
447980.70	3764435.18	18.01658	(14070405)	448004.66	
3764435.18	18.00568	(14070405)			
448021.25	3764434.68	17.63325	(16072903)	447662.70	
3764379.63	19.41970	(12080905)			
447681.30	3764320.98	20.33719	(12080905)	447682.64	
3764285.79	20.31300	(12080905)			
447662.53	3764238.37	20.23470	(12080905)	447661.70	
3764207.37	20.18363	(12080905)			
447683.14	3764162.29	20.15835	(12080905)	447680.97	

3764145.87	20.11592	(12080905)		
447679.63	3764130.28	20.03345	(12080905)	447680.80
3764112.02	19.95923	(12080905)		
447681.47	3764096.43	20.01801	(12080905)	447680.80
3764078.84	20.19034	(12080905)		
447679.96	3764064.26	20.44490	(12080905)	447680.97
3764045.82	20.79525	(12080905)		
447680.63	3764029.74	21.14155	(12080905)	447657.17
3763992.03	21.69740	(12080905)		
447656.33	3763967.06	22.32870	(12080905)	447657.17
3763928.69	23.21804	(12080905)		
447657.17	3763902.21	23.86757	(12080905)	447657.51
3763869.03	24.37133	(12080905)		
447656.16	3763834.94	25.26699	(12080905)	447655.93
3763808.27	26.12169	(12080905)		
447657.09	3763786.00	26.85495	(12080905)	447701.21
3763782.14	26.83333	(12080824)		
447856.92	3763749.71	25.35518	(15101706)	447854.99
3763730.13	25.65600	(15101706)		
447854.35	3763698.35	26.12419	(15101706)	447855.31
3763676.84	26.50347	(16072903)		
447675.51	3763287.46	38.90128	(13082522)	448481.33
3763485.29	23.16991	(13081424)		
448479.95	3763195.53	23.53989	(14032405)	448478.56
3762907.16	23.88560	(12090723)		
448497.89	3762714.10	16.02548	(15081321)	448507.91
3762487.71	16.55004	(15082823)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 302

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CLOAD ***
INCLUDING SOURCE(S): 5CLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	17.11851	(14082722)	448462.73	
3762339.82	17.63241	(15082521)			
448464.47	3762265.93	17.04160	(15091023)	448461.57	
3762165.17	16.25673	(12092023)			
448472.57	3762064.71	15.16940	(14051421)	448460.48	
3762016.72	14.83488	(15082624)			
448234.63	3761951.18	18.72203	(12080622)	448081.42	
3761952.78	23.04837	(13110118)			
448025.53	3761955.99	25.09960	(16082922)	447506.75	
3761967.63	37.21498	(15092103)			
447269.29	3761967.74	29.66766	(12091405)	447389.46	
3761908.79	30.01194	(15090901)			
447019.14	3761964.34	21.16609	(15090904)	447060.33	
3761963.58	22.36718	(15090904)			
446975.31	3761963.20	19.66079	(16111022)	446940.92	
3761953.76	18.65301	(12100204)			
446865.72	3761974.54	17.72667	(15100921)	446795.06	
3761957.91	15.95005	(15100921)			

446757.65	3761965.85	15.06064	(14080302)	446709.33
3761967.74	13.98864	(14080302)		
446796.42	3762028.62	16.36686	(15101023)	446796.97
3762045.28	16.70737	(15101023)		
446796.70	3762089.51	17.13425	(14022022)	446796.15
3762105.89	17.24724	(14022022)		
446796.70	3762137.29	17.78134	(15101024)	446796.15
3762153.39	18.03904	(15101024)		
446772.40	3762215.37	17.81392	(14011319)	446795.06
3762321.03	19.39204	(14120121)		
446796.42	3762450.98	20.05696	(15031521)	446796.42
3762471.18	19.64345	(16041722)		
446797.24	3762496.03	19.76185	(16041722)	446798.06
3762516.51	20.17365	(15090905)		
446797.79	3762539.98	20.40277	(15090905)	446797.52
3762560.19	20.22907	(15090905)		
446798.61	3762584.76	19.69504	(15032622)	446798.06
3762604.42	19.85868	(15032622)		
446799.70	3762654.11	19.26850	(15040323)	446799.97
3762674.58	19.33285	(12101719)		
446800.25	3762700.25	19.08746	(12101719)	446800.25
3762721.27	18.56952	(12020622)		
446799.97	3762735.74	18.57866	(12020622)	446797.79
3762748.02	18.42481	(12020622)		
446802.16	3762913.47	16.37090	(13092722)	446802.16
3762932.58	16.16598	(13092602)		
446802.43	3762949.24	16.11938	(13092602)	446802.98
3762967.26	15.95005	(13092602)		
446802.70	3762986.09	15.62842	(13092602)	446802.16
3763003.29	15.27031	(16112718)		
446802.16	3763021.86	14.87366	(14091521)	446802.70
3763040.70	14.95522	(14091521)		
446802.98	3763059.26	24.13226	(12092322)	446803.52
3763077.01	24.05008	(12092322)		
446756.29	3763085.26	13.77933	(14091521)	446807.68
3763646.39	21.47191	(13082922)		
446808.32	3763674.66	20.92157	(13082922)	446807.68
3763694.57	20.72296	(16072804)		
446808.32	3763710.63	20.58705	(16072804)	446808.32
3763726.37	20.39470	(16072804)		
446808.00	3763742.11	20.10745	(16072804)	446808.32
3763756.89	19.81399	(16072804)		
446808.64	3763798.32	19.45942	(15061924)	446810.25
3764484.08	15.70569	(12080704)		
446781.34	3764475.08	15.40355	(12080704)	446722.56
3764455.81	15.30093	(15092502)		
446170.32	3764559.79	12.78436	(15082503)	446872.29
3763190.26	27.55920	(15082702)		
446925.22	3763179.19	29.72792	(15082702)	446984.86
3763194.88	30.19354	(13062901)		
447010.56	3763193.28	31.80156	(13062901)	447036.58
3763193.60	32.08028	(13062901)		
447053.61	3763193.28	32.53092	(16060105)	447076.42
3763192.31	33.98872	(13082922)		
447093.45	3763192.63	35.29651	(13082922)	447122.05
3763192.63	35.56797	(13082922)		
447138.75	3763192.31	35.59582	(16072804)	447167.99
3763192.31	36.53846	(15061924)		
447170.68	3763172.18	37.05873	(15061924)	447170.41
3763158.25	37.13734	(15080424)		
447169.31	3763144.87	37.91643	(15082502)	447147.46
3763107.45	40.37892	(13082922)		

*** AERMOT - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5CLOAD ***
 INCLUDING SOURCE(S): 5CLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	40.66786	(13082922)	447146.92	
3763064.30	41.11594	(16092823)			
447149.92	3763038.90	42.19742	(16092823)	447148.56	
3763019.78	42.74384	(15101401)			
447148.56	3762997.39	43.24390	(12081402)	447206.08	
3762958.49	47.34206	(16092823)			
447209.33	3762922.51	30.89390	(15060921)	447208.40	
3762890.70	32.81982	(15092021)			
447145.83	3762888.87	29.46572	(15090919)	447122.55	
3762889.07	28.57085	(15101223)			
447094.33	3762890.05	27.44203	(15101223)	447071.04	
3762890.45	26.39444	(15090824)			
447043.61	3762889.66	24.99467	(15090824)	447017.76	
3762888.87	23.58738	(14091521)			
446992.11	3762889.07	22.13420	(14091521)	446964.28	
3762888.28	21.38724	(13092602)			
446940.41	3762888.47	20.75186	(13092602)	446911.20	
3762888.08	19.84750	(13092602)			
446885.35	3762889.66	18.93374	(13092602)	446862.07	
3762888.87	18.07541	(13092722)			
446871.45	3762779.57	20.34096	(15120517)	446926.31	
3762768.72	22.62880	(15120517)			
446983.74	3762774.24	24.57136	(15120517)	447009.00	
3762774.05	25.94568	(13092722)			
447030.51	3762774.44	27.09830	(13092722)	447055.37	
3762774.05	28.35348	(13092722)			
447076.88	3762774.24	29.81762	(13092602)	447101.16	
3762774.44	31.60788	(13092602)			
447123.85	3762774.05	33.15543	(13092602)	447148.12	
3762775.03	34.48796	(16112718)			
447170.23	3762774.84	36.85197	(14091521)	447196.78	
3762775.48	39.99108	(15090824)			
447242.12	3762776.57	44.40764	(15101223)	447262.33	
3762776.03	45.97647	(15090919)			
447294.56	3762776.30	50.17482	(15092021)	447313.13	
3762775.48	52.24149	(15092021)			
447313.40	3762749.53	56.11467	(15092021)	447327.86	
3762713.09	64.06212	(15101223)			
447327.36	3762679.87	71.19578	(15090824)	447327.74	
3762657.02	73.29067	(14091521)			
447327.28	3762636.82	77.23352	(13092602)	447327.51	
3762612.90	81.05362	(13092722)			
447327.28	3762592.24	86.06754	(15120517)	447327.04	
3762569.71	89.54315	(12020622)			
447327.28	3762547.89	94.65084	(12101719)	447326.58	
3762524.67	111.78460	(12110208)			
447326.58	3762506.09	123.54652	(12110208)	447327.51	
3762477.53	112.15054	(12110208)			
447325.88	3762454.31	99.58098	(16021518)	447225.58	

3762432.95	62.00267	(14011518)		
447200.27	3762430.63	56.24700	(14011518)	447156.85
3762430.16	48.29393	(16021518)		
447131.77	3762430.86	44.65325	(16021518)	447102.74
3762430.63	40.91850	(16021518)		
447079.06	3762430.86	38.23316	(16021518)	447034.94
3762433.65	33.95484	(16021518)		
446995.47	3762433.65	30.75168	(16021518)	446972.71
3762434.34	29.11785	(16021518)		
446941.37	3762434.58	27.10597	(16021518)	446916.06
3762436.90	25.59417	(16021518)		
446876.35	3762436.90	23.53285	(16021518)	446848.85
3762647.05	21.08887	(12101719)		
446848.85	3762563.17	22.05865	(15090905)	446849.17
3762509.82	22.09721	(15090905)		
446849.17	3762455.82	22.07701	(15031521)	446848.85
3762702.00	20.45916	(12101719)		
446849.49	3762754.71	19.75616	(16112103)	446739.81
3762428.53	18.33020	(16021518)		
446711.81	3762423.61	17.55150	(16021518)	446687.25
3762416.25	16.93952	(16021518)		
446662.20	3762412.32	16.31425	(16021518)	446636.17
3762403.97	15.72497	(16021518)		
449981.72	3762732.45	4.22348	(15101322)	446486.82
3762231.95	12.23287	(14051523)		
446261.97	3762068.01	9.02854	(14011319)	446443.15
3762291.63	11.69986	(14011518)		
446071.80	3762055.49	7.57840	(13121117)	446072.08
3761983.13	7.36428	(14011319)		
446138.18	3762002.17	7.84920	(12020618)	445884.94
3762039.75	6.47357	(15031523)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 304

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CREF ***
INCLUDING SOURCE(S): 5CREF ,


*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC (YYMMDDHH)				
447362.21	3764292.67	23.89973	(14072401)	447375.98	
3764150.98	25.49389	(14072401)			
447389.75	3764043.04	25.57468	(14072401)	447450.16	
3764031.05	25.60214	(16081402)			
447410.18	3764019.05	25.77450	(16062805)	446891.90	
3764451.22	20.62503	(16072603)			
446959.28	3764451.22	20.94273	(12081001)	446995.28	
3764468.13	21.07473	(12081001)			
447007.41	3764467.30	21.30232	(12081604)	447023.51	
3764466.09	21.33457	(12081604)			
447036.59	3764466.21	21.13944	(16082102)	447052.68	
3764465.61	21.35852	(16082102)			
447066.60	3764465.73	21.33365	(16082102)	447099.65	
3764456.17	21.65895	(16062701)			

447145.28	3764468.27	21.57465	(15032722)	447175.54
3764468.03	21.29430	(14040923)		
447205.32	3764468.27	21.13094	(12092102)	447232.43
3764467.55	21.61655	(16062804)		
447264.02	3764467.30	22.86072	(12083006)	447294.77
3764466.94	23.43935	(12081106)		
447364.97	3764456.41	23.08881	(15062301)	447406.61
3764460.65	23.13207	(15062202)		
447441.47	3764460.04	23.54135	(13090206)	447466.88
3764460.20	23.32370	(15083004)		
447490.00	3764460.56	23.30687	(15083004)	447515.50
3764460.40	22.59645	(14060204)		
447573.06	3764454.29	22.67971	(12082822)	447598.49
3764445.22	23.02628	(12082822)		
447652.90	3764439.70	23.35558	(16092024)	447692.92
3764439.51	23.94770	(12080905)		
447713.82	3764439.11	23.62955	(12080905)	447731.95
3764438.72	23.18662	(15092701)		
447751.07	3764438.72	23.73882	(15092701)	447768.82
3764437.53	23.89149	(15092701)		
447789.12	3764437.73	24.32627	(12080824)	447805.68
3764437.34	24.35690	(12080824)		
447824.02	3764437.20	24.14870	(12090802)	447841.61
3764437.87	24.05878	(12090802)		
447861.72	3764437.53	23.56883	(12090506)	447881.66
3764435.18	23.80664	(16102922)		
447902.78	3764436.19	24.00851	(16102922)	447920.87
3764435.35	23.70059	(16102922)		
447942.16	3764435.35	23.59180	(15090723)	447962.77
3764434.85	23.55538	(13082502)		
447980.70	3764435.18	23.50938	(13082502)	448004.66
3764435.18	23.34968	(15101706)		
448021.25	3764434.68	22.74486	(15101706)	447662.70
3764379.63	24.88050	(12080905)		
447681.30	3764320.98	26.28509	(12080905)	447682.64
3764285.79	26.01958	(12080905)		
447662.53	3764238.37	25.44369	(12080905)	447661.70
3764207.37	25.13729	(12080905)		
447683.14	3764162.29	24.91592	(14082624)	447680.97
3764145.87	24.76150	(14082624)		
447679.63	3764130.28	24.54621	(14082624)	447680.80
3764112.02	24.32220	(14082624)		
447681.47	3764096.43	24.31694	(14082624)	447680.80
3764078.84	24.47624	(14082624)		
447679.96	3764064.26	24.78197	(14082624)	447680.97
3764045.82	25.20516	(14082624)		
447680.63	3764029.74	25.63789	(14082624)	447657.17
3763992.03	26.20171	(14082624)		
447656.33	3763967.06	27.00799	(14082624)	447657.17
3763928.69	28.12028	(14082624)		
447657.17	3763902.21	28.92822	(14082624)	447657.51
3763869.03	29.43905	(14082624)		
447656.16	3763834.94	30.53210	(14082624)	447655.93
3763808.27	31.62017	(14082624)		
447657.09	3763786.00	32.55394	(14082624)	447701.21
3763782.14	32.15448	(12080824)		
447856.92	3763749.71	30.13330	(15101706)	447854.99
3763730.13	30.36977	(15101706)		
447854.35	3763698.35	30.71301	(15101706)	447855.31
3763676.84	31.19350	(16102718)		
447675.51	3763287.46	41.70823	(12102718)	448481.33
3763485.29	27.69556	(13061703)		
448479.95	3763195.53	26.36179	(13070801)	448478.56
3762907.16	24.83115	(15092621)		
448497.89	3762714.10	22.62859	(15081221)	448507.91
3762487.71	23.25482	(12092321)		

3762967.26	22.04803	(13092602)		
446802.70	3762986.09	21.53125	(16112718)	446802.16
3763003.29	20.78686	(16112718)		
446802.16	3763021.86	20.45867	(14091521)	446802.70
3763040.70	24.01904	(14091521)		
446802.98	3763059.26	24.79041	(14091521)	446803.52
3763077.01	24.95166	(14091521)		
446756.29	3763085.26	19.23548	(14091521)	446807.68
3763646.39	24.93420	(13082922)		
446808.32	3763674.66	24.46783	(15082502)	446807.68
3763694.57	24.28298	(16072804)		
446808.32	3763710.63	24.10540	(16072804)	446808.32
3763726.37	23.81881	(16072804)		
446808.00	3763742.11	23.35533	(16072804)	446808.32
3763756.89	23.10616	(14060102)		
446808.64	3763798.32	23.28381	(15061924)	446810.25
3764484.08	20.19765	(12080704)		
446781.34	3764475.08	19.67736	(12080704)	446722.56
3764455.81	19.56975	(12072004)		
446170.32	3764559.79	16.59010	(15061824)	446872.29
3763190.26	29.37915	(16110621)		
446925.22	3763179.19	31.65246	(15120720)	446984.86
3763194.88	32.74677	(15101401)		
447010.56	3763193.28	34.58953	(16092823)	447036.58
3763193.60	35.21116	(15062722)		
447053.61	3763193.28	35.46074	(15062722)	447076.42
3763192.31	36.43589	(12071303)		
447093.45	3763192.63	37.87929	(12071303)	447122.05
3763192.63	37.73227	(12120303)		
447138.75	3763192.31	38.10958	(16061822)	447167.99
3763192.31	39.71850	(16061822)		
447170.68	3763172.18	40.29186	(16061822)	447170.41
3763158.25	40.28580	(16061822)		
447169.31	3763144.87	40.45066	(16061822)	447147.46
3763107.45	42.54419	(12071303)		

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 306

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5CREF ***
 INCLUDING SOURCE(S): 5CREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	42.95000	(13052304)	447146.92	
3763064.30	44.28749	(15062722)			
447149.92	3763038.90	45.01097	(15062722)	447148.56	
3763019.78	44.87290	(15062722)			
447148.56	3762997.39	44.73761	(15060921)	447206.08	
3762958.49	47.90232	(15062722)			
447209.33	3762922.51	48.66312	(15060921)	447208.40	
3762890.70	43.15528	(15060921)			
447145.83	3762888.87	40.53118	(15090919)	447122.55	
3762889.07	38.58736	(15090919)			

447094.33	3762890.05	37.34695	(15101223)	447071.04
3762890.45	36.30216	(15101223)		
447043.61	3762889.66	34.78182	(15090824)	447017.76
3762888.87	32.69854	(14091521)		
446992.11	3762889.07	30.50730	(14091521)	446964.28
3762888.28	29.03350	(16112718)		
446940.41	3762888.47	28.47111	(16112718)	446911.20
3762888.08	27.55092	(13092602)		
446885.35	3762889.66	26.47427	(13092602)	446862.07
3762888.87	25.27536	(13092602)		
446871.45	3762779.57	28.47250	(15120517)	446926.31
3762768.72	31.19533	(15120517)		
446983.74	3762774.24	34.14049	(13092722)	447009.00
3762774.05	35.74173	(13092722)		
447030.51	3762774.44	36.90234	(14030122)	447055.37
3762774.05	39.15658	(13092602)		
447076.88	3762774.24	41.35374	(13092602)	447101.16
3762774.44	43.15040	(13092602)		
447123.85	3762774.05	44.70751	(16112718)	447148.12
3762775.03	46.98416	(14091521)		
447170.23	3762774.84	50.68204	(15090824)	447196.78
3762775.48	54.85487	(15090824)		
447242.12	3762776.57	58.86945	(15090919)	447262.33
3762776.03	62.37063	(15090919)		
447294.56	3762776.30	66.79864	(15092021)	447313.13
3762775.48	68.34802	(15060921)		
447313.40	3762749.53	75.04981	(15092021)	447327.86
3762713.09	85.56841	(15090919)		
447327.36	3762679.87	94.54461	(15101223)	447327.74
3762657.02	99.76632	(15090824)		
447327.28	3762636.82	101.13800	(16112718)	447327.51
3762612.90	108.36731	(13092602)		
447327.28	3762592.24	112.66988	(13092722)	447327.04
3762569.71	120.17106	(15120517)		
447327.28	3762547.89	125.51886	(12020622)	447326.58
3762524.67	131.46244	(12101719)		
447326.58	3762506.09	136.87637	(12110208)	447327.51
3762477.53	153.79824	(12110208)		
447325.88	3762454.31	134.49729	(15031521)	447225.58
3762432.95	86.57444	(16021518)		
447200.27	3762430.63	78.70064	(16021518)	447156.85
3762430.16	67.43989	(16021518)		
447131.77	3762430.86	61.97018	(16021518)	447102.74
3762430.63	56.73487	(15031521)		
447079.06	3762430.86	53.05654	(15031521)	447034.94
3762433.65	47.15348	(15031521)		
446995.47	3762433.65	42.73725	(15031521)	446972.71
3762434.34	40.47408	(15031521)		
446941.37	3762434.58	37.68849	(15031521)	446916.06
3762436.90	35.56313	(15031521)		
446876.35	3762436.90	32.72890	(15031521)	446848.85
3762647.05	29.89278	(12101719)		
446848.85	3762563.17	30.05799	(15032622)	446849.17
3762509.82	31.38718	(15090905)		
446849.17	3762455.82	30.27494	(16041722)	446848.85
3762702.00	28.64967	(12020622)		
446849.49	3762754.71	27.53481	(14022724)	446739.81
3762428.53	25.66218	(15031521)		
446711.81	3762423.61	24.60158	(15031521)	446687.25
3762416.25	23.73982	(15031521)		
446662.20	3762412.32	22.85516	(15031521)	446636.17
3762403.97	21.95899	(15031521)		
449981.72	3762732.45	5.96081	(15091722)	446486.82
3762231.95	17.11016	(13121806)		
446261.97	3762068.01	12.87294	(14011319)	446443.15
3762291.63	16.71075	(14011518)		

446071.80 3762055.49 10.84198 (13121117) 446072.08
 3761983.13 10.59283 (14011319)
 446138.18 3762002.17 11.27733 (14011319) 445884.94
 3762039.75 9.27772 (15031523)

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 307

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 5CSPILL ***
 INCLUDING SOURCE(S): 5CSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	29.02679	(14072401)	447375.98	
3764150.98	30.82073	(14072401)			
447389.75	3764043.04	30.68679	(16091823)	447450.16	
3764031.05	30.76883	(16081402)			
447410.18	3764019.05	30.78652	(16062805)	446891.90	
3764451.22	25.04564	(16072603)			
446959.28	3764451.22	25.34096	(12081001)	446995.28	
3764468.13	25.49919	(12081001)			
447007.41	3764467.30	25.93272	(12081604)	447023.51	
3764466.09	25.93735	(12081604)			
447036.59	3764466.21	25.68723	(16082102)	447052.68	
3764465.61	26.02304	(16082102)			
447066.60	3764465.73	25.90633	(16082102)	447099.65	
3764456.17	26.24544	(16062701)			
447145.28	3764468.27	26.17073	(15032722)	447175.54	
3764468.03	25.78215	(14040923)			
447205.32	3764468.27	25.53921	(12092102)	447232.43	
3764467.55	26.34139	(12080203)			
447264.02	3764467.30	27.98811	(12083006)	447294.77	
3764466.94	28.50230	(12081106)			
447364.97	3764456.41	28.14772	(16062805)	447406.61	
3764460.65	28.27958	(15062202)			
447441.47	3764460.04	28.69876	(13090206)	447466.88	
3764460.20	28.32728	(15083004)			
447490.00	3764460.56	28.38954	(15083004)	447515.50	
3764460.40	27.60533	(14060204)			
447573.06	3764454.29	27.50789	(12082822)	447598.49	
3764445.22	27.99323	(12082822)			
447652.90	3764439.70	28.53916	(16092024)	447692.92	
3764439.51	29.20656	(12080905)			
447713.82	3764439.11	28.59186	(12080905)	447731.95	
3764438.72	28.17458	(15051420)			
447751.07	3764438.72	28.86851	(15092701)	447768.82	
3764437.53	29.09007	(15092701)			
447789.12	3764437.73	29.74645	(12080824)	447805.68	
3764437.34	29.77051	(12080824)			
447824.02	3764437.20	29.54498	(12090802)	447841.61	
3764437.87	29.40505	(12090802)			
447861.72	3764437.53	28.91503	(12090506)	447881.66	
3764435.18	28.86554	(16102922)			
447902.78	3764436.19	29.29352	(16102922)	447920.87	

3764435.35	28.73362	(16102922)		
447942.16	3764435.35	28.92530	(15090723)	447962.77
3764434.85	28.83734	(13082502)		
447980.70	3764435.18	28.78957	(13082502)	448004.66
3764435.18	28.59405	(15101706)		
448021.25	3764434.68	27.73996	(15101706)	447662.70
3764379.63	30.19620	(16092024)		
447681.30	3764320.98	32.07646	(12080905)	447682.64
3764285.79	31.66125	(12080905)		
447662.53	3764238.37	30.62968	(12080905)	447661.70
3764207.37	30.21047	(14082624)		
447683.14	3764162.29	30.00306	(14082624)	447680.97
3764145.87	29.75948	(14082624)		
447679.63	3764130.28	29.43170	(14082624)	447680.80
3764112.02	29.07366	(14082624)		
447681.47	3764096.43	29.01418	(14082624)	447680.80
3764078.84	29.17332	(14082624)		
447679.96	3764064.26	29.53801	(14082624)	447680.97
3764045.82	30.03253	(14082624)		
447680.63	3764029.74	30.55489	(14082624)	447657.17
3763992.03	31.16777	(14082624)		
447656.33	3763967.06	32.16126	(14082624)	447657.17
3763928.69	33.53219	(14082624)		
447657.17	3763902.21	34.52057	(14082624)	447657.51
3763869.03	35.08064	(14082624)		
447656.16	3763834.94	36.39906	(14082624)	447655.93
3763808.27	37.74065	(14082624)		
447657.09	3763786.00	38.89211	(14082624)	447701.21
3763782.14	38.43831	(12052003)		
447856.92	3763749.71	35.61859	(15101706)	447854.99
3763730.13	35.84363	(15101706)		
447854.35	3763698.35	36.13249	(15101706)	447855.31
3763676.84	36.78075	(16102718)		
447675.51	3763287.46	48.53523	(12102718)	448481.33
3763485.29	32.85622	(13061703)		
448479.95	3763195.53	30.32890	(13091321)	448478.56
3762907.16	27.61037	(13082222)		
448497.89	3762714.10	28.19605	(15081221)	448507.91
3762487.71	28.96215	(12092321)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 308

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CSPILL ***
INCLUDING SOURCE(S): 5CSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	29.92867	(15092523)	448462.73	
3762339.82	31.01067	(14082722)			
448464.47	3762265.93	30.15810	(15091023)	448461.57	
3762165.17	28.62692	(14090824)			
448472.57	3762064.71	27.24254	(14051421)	448460.48	
3762016.72	26.55784	(16110320)			

448234.63	3761951.18	33.64133	(12080622)	448081.42
3761952.78	41.07085	(12110519)		
448025.53	3761955.99	45.31627	(13051122)	447506.75
3761967.63	68.18609	(15092103)		
447269.29	3761967.74	54.12539	(16092705)	447389.46
3761908.79	54.39033	(15090901)		
447019.14	3761964.34	37.90542	(16111022)	447060.33
3761963.58	40.40511	(15090904)		
446975.31	3761963.20	35.23490	(12100204)	446940.92
3761953.76	33.69430	(12100204)		
446865.72	3761974.54	31.87938	(15100921)	446795.06
3761957.91	28.00570	(14080302)		
446757.65	3761965.85	26.30032	(15020719)	446709.33
3761967.74	24.91445	(13012221)		
446796.42	3762028.62	29.37808	(15021322)	446796.97
3762045.28	29.80004	(15021322)		
446796.70	3762089.51	30.30695	(16021805)	446796.15
3762105.89	30.75163	(12101403)		
446796.70	3762137.29	31.98957	(15101024)	446796.15
3762153.39	31.89680	(15101024)		
446772.40	3762215.37	31.76620	(14011319)	446795.06
3762321.03	34.43905	(14120121)		
446796.42	3762450.98	33.94202	(15031001)	446796.42
3762471.18	34.51779	(16041722)		
446797.24	3762496.03	34.62687	(14100421)	446798.06
3762516.51	35.50641	(15090905)		
446797.79	3762539.98	35.29827	(15090905)	446797.52
3762560.19	33.63508	(13022424)		
446798.61	3762584.76	34.62416	(15032622)	446798.06
3762604.42	34.67667	(15032622)		
446799.70	3762654.11	33.74416	(12101719)	446799.97
3762674.58	33.92566	(12101719)		
446800.25	3762700.25	31.78849	(13022024)	446800.25
3762721.27	32.60426	(12020622)		
446799.97	3762735.74	32.41070	(12020622)	446797.79
3762748.02	31.60001	(12020622)		
446802.16	3762913.47	28.24845	(14030122)	446802.16
3762932.58	28.08251	(13092602)		
446802.43	3762949.24	28.05585	(13092602)	446802.98
3762967.26	27.44061	(16112718)		
446802.70	3762986.09	26.70078	(16112718)	446802.16
3763003.29	25.59443	(15040322)		
446802.16	3763021.86	24.71486	(13112124)	446802.70
3763040.70	25.74960	(14091521)		
446802.98	3763059.26	27.07699	(14091521)	446803.52
3763077.01	27.45495	(14091521)		
446756.29	3763085.26	23.77760	(14091521)	446807.68
3763646.39	29.18146	(15082502)		
446808.32	3763674.66	28.79418	(15082502)	446807.68
3763694.57	28.41708	(16072804)		
446808.32	3763710.63	28.24617	(16072804)	446808.32
3763726.37	27.87810	(16072804)		
446808.00	3763742.11	27.45114	(14060102)	446808.32
3763756.89	27.23373	(14060102)		
446808.64	3763798.32	27.50288	(15061924)	446810.25
3764484.08	24.58324	(12080704)		
446781.34	3764475.08	23.88013	(14080203)	446722.56
3764455.81	23.70170	(12072004)		
446170.32	3764559.79	20.26783	(15061824)	446872.29
3763190.26	33.52249	(16110621)		
446925.22	3763179.19	35.72735	(15120720)	446984.86
3763194.88	36.99064	(15060921)		
447010.56	3763193.28	39.28808	(16092823)	447036.58
3763193.60	40.77775	(15062722)		
447053.61	3763193.28	40.85273	(15062722)	447076.42
3763192.31	40.89242	(16040421)		

447093.45	3763192.63	42.80587	(12071303)	447122.05
3763192.63	43.43113	(15030520)		
447138.75	3763192.31	43.33125	(12120303)	447167.99
3763192.31	45.53815	(16061822)		
447170.68	3763172.18	46.01415	(16061822)	447170.41
3763158.25	45.71020	(16061822)		
447169.31	3763144.87	45.56986	(16061822)	447147.46
3763107.45	47.90246	(15030520)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 309

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 5CSPILL ***
INCLUDING SOURCE(S): 5CSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	49.14780	(16040421)	447146.92	
3763064.30	50.56883	(15062722)			
447149.92	3763038.90	51.21135	(15062722)	447148.56	
3763019.78	50.52190	(15062722)			
447148.56	3762997.39	51.04045	(15060921)	447206.08	
3762958.49	52.36678	(15062722)			
447209.33	3762922.51	53.52357	(15060921)	447208.40	
3762890.70	53.51242	(12122017)			
447145.83	3762888.87	50.47801	(15090919)	447122.55	
3762889.07	47.82555	(14120719)			
447094.33	3762890.05	46.15295	(15101223)	447071.04	
3762890.45	45.13339	(15101223)			
447043.61	3762889.66	43.23023	(15090824)	447017.76	
3762888.87	40.41044	(14091521)			
446992.11	3762889.07	37.03094	(14091521)	446964.28	
3762888.28	35.69915	(16112718)			
446940.41	3762888.47	35.37264	(16112718)	446911.20	
3762888.08	34.24983	(13092602)			
446885.35	3762889.66	32.90360	(13092602)	446862.07	
3762888.87	31.15913	(16110920)			
446871.45	3762779.57	35.46119	(15120517)	446926.31	
3762768.72	38.61597	(15120517)			
446983.74	3762774.24	42.33534	(13092722)	447009.00	
3762774.05	44.28194	(13092722)			
447030.51	3762774.44	45.90571	(14030122)	447055.37	
3762774.05	48.25634	(13092602)			
447076.88	3762774.24	51.34921	(13092602)	447101.16	
3762774.44	53.49108	(16112718)			
447123.85	3762774.05	55.21371	(16112718)	447148.12	
3762775.03	57.03350	(14091521)			
447170.23	3762774.84	62.59023	(14091521)	447196.78	
3762775.48	68.17889	(15090824)			
447242.12	3762776.57	72.72290	(14120719)	447262.33	
3762776.03	77.51914	(15090919)			
447294.56	3762776.30	82.43540	(15092021)	447313.13	
3762775.48	83.57007	(15060921)			
447313.40	3762749.53	92.94514	(15092021)	447327.86	

3762713.09	106.14316	(15090919)		
447327.36	3762679.87	116.97022	(15101223)	447327.74
3762657.02	122.55828	(15090824)		
447327.28	3762636.82	124.44638	(16112718)	447327.51
3762612.90	133.23188	(13092602)		
447327.28	3762592.24	138.66556	(13092722)	447327.04
3762569.71	148.24309	(15120517)		
447327.28	3762547.89	155.15072	(12020622)	447326.58
3762524.67	162.38051	(12101719)		
447326.58	3762506.09	165.08034	(15032622)	447327.51
3762477.53	183.30310	(12110208)		
447325.88	3762454.31	164.48081	(15031521)	447225.58
3762432.95	106.86775	(16021518)		
447200.27	3762430.63	97.23572	(16021518)	447156.85
3762430.16	83.17351	(16021518)		
447131.77	3762430.86	76.79902	(15031521)	447102.74
3762430.63	70.50365	(15031521)		
447079.06	3762430.86	65.97929	(15031521)	447034.94
3762433.65	58.63012	(15031521)		
446995.47	3762433.65	53.11851	(15031521)	446972.71
3762434.34	50.26785	(15031521)		
446941.37	3762434.58	46.76759	(15031521)	446916.06
3762436.90	44.01868	(15031521)		
446876.35	3762436.90	40.46611	(15031521)	446848.85
3762647.05	37.19217	(12101719)		
446848.85	3762563.17	36.80745	(15112622)	446849.17
3762509.82	38.81603	(15090905)		
446849.17	3762455.82	37.51525	(15031001)	446848.85
3762702.00	35.57732	(12020622)		
446849.49	3762754.71	34.32416	(14022724)	446739.81
3762428.53	31.83787	(15031521)		
446711.81	3762423.61	30.59409	(15031521)	446687.25
3762416.25	29.59194	(15031521)		
446662.20	3762412.32	28.50363	(15031521)	446636.17
3762403.97	27.37891	(15031521)		
449981.72	3762732.45	7.43584	(15091722)	446486.82
3762231.95	21.29292	(13121806)		
446261.97	3762068.01	16.05185	(14011319)	446443.15
3762291.63	20.62011	(14011518)		
446071.80	3762055.49	13.54056	(13121117)	446072.08
3761983.13	13.23186	(14011319)		
446138.18	3762002.17	14.07819	(14011319)	445884.94
3762039.75	11.60427	(15031523)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 310

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 6AIDLE ***

INCLUDING SOURCE(S): L0000382 , L0000383 ,
L0000384 , L0000385 , L0000386 ,
L0000387 , L0000388 , L0000389 , L0000390 , L0000391 ,
L0000392 , L0000393 , L0000394 ,
L0000395 , L0000396 , L0000397 , L0000398 , L0000399 ,
L0000400 , L0000401 , L0000402 ,
L0000403 , L0000404 , L0000405 , L0000406 , L0000407 ,
L0000408 , L0000409 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	16.52335	(15071803)	447375.98	
3764150.98	17.94086	(13090423)			
447389.75	3764043.04	17.96233	(15082523)	447450.16	
3764031.05	18.18990	(13090423)			
447410.18	3764019.05	18.10753	(13090423)	446891.90	
3764451.22	13.61379	(13082922)			
446959.28	3764451.22	13.88469	(14081603)	446995.28	
3764468.13	14.01349	(12083005)			
447007.41	3764467.30	14.16917	(12083005)	447023.51	
3764466.09	14.25440	(12083005)			
447036.59	3764466.21	14.26709	(12083005)	447052.68	
3764465.61	14.27520	(12083005)			
447066.60	3764465.73	14.48299	(13090723)	447099.65	
3764456.17	14.83685	(13090723)			
447145.28	3764468.27	14.84039	(13070222)	447175.54	
3764468.03	14.68125	(13090423)			
447205.32	3764468.27	14.81957	(13090423)	447232.43	
3764467.55	15.21669	(13090423)			
447264.02	3764467.30	15.81212	(14083005)	447294.77	
3764466.94	16.04269	(15092502)			
447364.97	3764456.41	16.18526	(12080704)	447406.61	
3764460.65	16.43838	(12080704)			
447441.47	3764460.04	16.40022	(16072603)	447466.88	
3764460.20	16.59603	(16072603)			
447490.00	3764460.56	16.48156	(16072603)	447515.50	
3764460.40	16.48534	(12081001)			
447573.06	3764454.29	16.21113	(12081604)	447598.49	
3764445.22	16.36162	(12081604)			
447652.90	3764439.70	17.15702	(16062701)	447692.92	
3764439.51	17.20199	(12071001)			
447713.82	3764439.11	17.27407	(14040923)	447731.95	
3764438.72	17.44400	(12092102)			
447751.07	3764438.72	17.47140	(12092102)	447768.82	
3764437.53	17.47273	(16062804)			
447789.12	3764437.73	17.66000	(12083006)	447805.68	
3764437.34	17.75352	(12083006)			
447824.02	3764437.20	17.96980	(12081106)	447841.61	
3764437.87	17.96876	(12081106)			
447861.72	3764437.53	17.84682	(14072401)	447881.66	
3764435.18	17.86605	(15062301)			
447902.78	3764436.19	17.87511	(15062301)	447920.87	
3764435.35	17.94627	(15062202)			
447942.16	3764435.35	18.16142	(13090206)	447962.77	
3764434.85	18.18922	(13090206)			
447980.70	3764435.18	18.19920	(15083004)	448004.66	
3764435.18	18.00352	(15083004)			
448021.25	3764434.68	17.45240	(15083004)	447662.70	
3764379.63	18.20366	(16062701)			
447681.30	3764320.98	18.86232	(16062701)	447682.64	
3764285.79	18.71686	(16062701)			
447662.53	3764238.37	18.61129	(16082102)	447661.70	
3764207.37	18.55171	(12081604)			
447683.14	3764162.29	18.34620	(16082102)	447680.97	
3764145.87	18.29916	(12081604)			
447679.63	3764130.28	18.21169	(12081604)	447680.80	
3764112.02	18.12376	(12081604)			
447681.47	3764096.43	18.16717	(12081604)	447680.80	
3764078.84	18.30440	(12081604)			
447679.96	3764064.26	18.57665	(12081001)	447680.97	
3764045.82	18.95074	(12081001)			
447680.63	3764029.74	19.30467	(12081001)	447657.17	

3763992.03	19.55751	(15111919)		
447656.33	3763967.06	20.10444	(15072504)	447657.17
3763928.69	20.93104	(15072504)		
447657.17	3763902.21	21.48479	(15072504)	447657.51
3763869.03	21.83975	(15072504)		
447656.16	3763834.94	22.58145	(13062605)	447655.93
3763808.27	23.37954	(12080704)		
447657.09	3763786.00	24.03922	(12080704)	447701.21
3763782.14	24.53228	(15072504)		
447856.92	3763749.71	24.21433	(15032722)	447854.99
3763730.13	24.55070	(15032722)		
447854.35	3763698.35	25.03724	(15032722)	447855.31
3763676.84	25.33689	(15032722)		
447675.51	3763287.46	25.22548	(15062722)	448481.33
3763485.29	30.56342	(15101323)		
448479.95	3763195.53	30.28306	(16082424)	448478.56
3762907.16	44.35128	(13082222)		
448497.89	3762714.10	61.45870	(14120316)	448507.91
3762487.71	38.85722	(15082624)		

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 311

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 6AIDLE ***

INCLUDING SOURCE(S): L0000382 , L0000383 ,
L0000384 , L0000385 , L0000386 ,
L0000387 , L0000388 , L0000389 , L0000390 , L0000391 ,
L0000392 , L0000393 , L0000394 ,
L0000395 , L0000396 , L0000397 , L0000398 , L0000399 ,
L0000400 , L0000401 , L0000402 ,
L0000403 , L0000404 , L0000405 , L0000406 , L0000407 ,
L0000408 , L0000409 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	31.19839	(13042022)	448462.73	
3762339.82	30.99190	(13042022)			
448464.47	3762265.93	26.82700	(16082922)	448461.57	
3762165.17	29.58098	(12121716)			
448472.57	3762064.71	27.16510	(12121716)	448460.48	
3762016.72	25.67069	(12121716)			
448234.63	3761951.18	17.58490	(13093021)	448081.42	
3761952.78	17.90380	(16100624)			
448025.53	3761955.99	18.09468	(15101301)	447506.75	
3761967.63	14.73823	(16102021)			
447269.29	3761967.74	12.26232	(15090904)	447389.46	
3761908.79	12.61928	(15092006)			
447019.14	3761964.34	9.91287	(15100921)	447060.33	
3761963.58	10.22120	(15090903)			
446975.31	3761963.20	9.66309	(15100921)	446940.92	
3761953.76	9.35601	(15100921)			
446865.72	3761974.54	8.75005	(14080302)	446795.06	
3761957.91	8.13543	(14080302)			
446757.65	3761965.85	7.81435	(15101023)	446709.33	

3761967.74	7.63262	(15101023)		
446796.42	3762028.62	8.44402	(15101023)	446796.97
3762045.28	8.51982	(15101023)		
446796.70	3762089.51	8.63461	(14022022)	446796.15
3762105.89	8.68899	(14022022)		
446796.70	3762137.29	8.79994	(15031424)	446796.15
3762153.39	8.86429	(15031424)		
446772.40	3762215.37	8.97560	(15101024)	446795.06
3762321.03	9.49157	(14011319)		
446796.42	3762450.98	9.93718	(14051523)	446796.42
3762471.18	9.97663	(14120121)		
446797.24	3762496.03	10.07127	(14120121)	446798.06
3762516.51	10.17725	(14011518)		
446797.79	3762539.98	10.36051	(14011518)	446797.52
3762560.19	10.42144	(14011518)		
446798.61	3762584.76	10.45603	(16021518)	446798.06
3762604.42	10.50575	(16021518)		
446799.70	3762654.11	10.37664	(15031521)	446799.97
3762674.58	10.30800	(15031521)		
446800.25	3762700.25	10.08939	(15031521)	446800.25
3762721.27	10.16315	(16041722)		
446799.97	3762735.74	10.17434	(16041722)	446797.79
3762748.02	10.12632	(16041722)		
446802.16	3762913.47	10.19862	(15032622)	446802.16
3762932.58	10.20218	(15032622)		
446802.43	3762949.24	10.14554	(15032622)	446802.98
3762967.26	10.06869	(15040323)		
446802.70	3762986.09	9.94648	(15040323)	446802.16
3763003.29	9.78394	(12101719)		
446802.16	3763021.86	9.86161	(12101719)	446802.70
3763040.70	9.87685	(12101719)		
446802.98	3763059.26	9.82106	(12101719)	446803.52
3763077.01	9.70925	(12101719)		
446756.29	3763085.26	9.25966	(12101719)	446807.68
3763646.39	14.60953	(16072103)		
446808.32	3763674.66	14.30305	(16072103)	446807.68
3763694.57	14.15863	(12092322)		
446808.32	3763710.63	14.10399	(16122218)	446808.32
3763726.37	14.07402	(16122218)		
446808.00	3763742.11	14.06090	(14091702)	446808.32
3763756.89	14.12644	(14091702)		
446808.64	3763798.32	14.38465	(14091702)	446810.25
3764484.08	13.13785	(12092221)		
446781.34	3764475.08	13.11550	(12092221)	446722.56
3764455.81	12.82905	(12081704)		
446170.32	3764559.79	10.66033	(16072901)	446872.29
3763190.26	10.12186	(16112103)		
446925.22	3763179.19	10.93791	(16112103)	446984.86
3763194.88	11.24377	(15120517)		
447010.56	3763193.28	12.16737	(15120517)	447036.58
3763193.60	12.47001	(15120517)		
447053.61	3763193.28	12.66427	(15120517)	447076.42
3763192.31	13.19497	(14051202)		
447093.45	3763192.63	14.42422	(12112420)	447122.05
3763192.63	13.88424	(13092722)		
447138.75	3763192.31	14.02945	(13092722)	447167.99
3763192.31	14.18870	(13092722)		
447170.68	3763172.18	13.87879	(13092722)	447170.41
3763158.25	13.77129	(13092722)		
447169.31	3763144.87	13.92653	(15120517)	447147.46
3763107.45	14.47515	(15120517)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 6AIDLE ***
 INCLUDING SOURCE(S): L0000382 , L0000383 ,
 L0000384 , L0000385 , L0000386 ,
 L0000387 , L0000388 , L0000389 , L0000390 , L0000391 ,
 L0000392 , L0000393 , L0000394 ,
 L0000395 , L0000396 , L0000397 , L0000398 , L0000399 ,
 L0000400 , L0000401 , L0000402 ,
 L0000403 , L0000404 , L0000405 , L0000406 , L0000407 ,
 L0000408 , L0000409 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	14.11712	(16102407)	447146.92	
3763064.30	14.30069	(16112103)			
447149.92	3763038.90	14.69143	(12020622)	447148.56	
3763019.78	14.85210	(12020622)			
447148.56	3762997.39	14.88030	(12020622)	447206.08	
3762958.49	16.74365	(12101719)			
447209.33	3762922.51	17.14514	(12101719)	447208.40	
3762890.70	17.35978	(15040323)			
447145.83	3762888.87	15.85450	(15032622)	447122.55	
3762889.07	15.34907	(15032622)			
447094.33	3762890.05	14.75668	(15032622)	447071.04	
3762890.45	14.29361	(15032622)			
447043.61	3762889.66	13.77658	(15032622)	447017.76	
3762888.87	13.30733	(15032622)			
446992.11	3762889.07	12.85918	(15032622)	446964.28	
3762888.28	12.39297	(15032622)			
446940.41	3762888.47	12.01153	(15032622)	446911.20	
3762888.08	11.56315	(15032622)			
446885.35	3762889.66	11.19329	(15032622)	446862.07	
3762888.87	10.86308	(15032622)			
446871.45	3762779.57	11.25035	(15090905)	446926.31	
3762768.72	11.95373	(15090905)			
446983.74	3762774.24	12.96780	(15090905)	447009.00	
3762774.05	13.42666	(15090905)			
447030.51	3762774.44	13.84478	(15090905)	447055.37	
3762774.05	14.34629	(15090905)			
447076.88	3762774.24	14.80930	(15090905)	447101.16	
3762774.44	15.36093	(15090905)			
447123.85	3762774.05	15.90334	(15090905)	447148.12	
3762775.03	16.52934	(15090905)			
447170.23	3762774.84	17.12677	(15090905)	447196.78	
3762775.48	17.89800	(15090905)			
447242.12	3762776.57	19.34725	(15090905)	447262.33	
3762776.03	20.05352	(15090905)			
447294.56	3762776.30	21.27214	(15090905)	447313.13	
3762775.48	22.03248	(15090905)			
447313.40	3762749.53	21.78578	(15090905)	447327.86	
3762713.09	21.98347	(16041722)			
447327.36	3762679.87	22.45193	(15031521)	447327.74	
3762657.02	22.76852	(16021518)			
447327.28	3762636.82	22.61151	(16021518)	447327.51	
3762612.90	22.43962	(14011518)			
447327.28	3762592.24	21.85957	(14011518)	447327.04	

3762569.71	21.53061	(14120121)		
447327.28	3762547.89	21.55568	(14051523)	447326.58
3762524.67	21.10328	(14051523)		
447326.58	3762506.09	20.82989	(13121117)	447327.51
3762477.53	20.33724	(14011319)		
447325.88	3762454.31	19.96264	(12020618)	447225.58
3762432.95	16.80865	(12020618)		
447200.27	3762430.63	16.14066	(12020618)	447156.85
3762430.16	15.20902	(14011319)		
447131.77	3762430.86	14.70450	(14011319)	447102.74
3762430.63	14.11203	(14011319)		
447079.06	3762430.86	13.71612	(13121117)	447034.94
3762433.65	13.03183	(13121117)		
446995.47	3762433.65	12.40599	(13121117)	446972.71
3762434.34	12.06549	(15031523)		
446941.37	3762434.58	11.67653	(14051523)	446916.06
3762436.90	11.38250	(14051523)		
446876.35	3762436.90	10.89496	(14051523)	446848.85
3762647.05	10.97634	(15031521)		
446848.85	3762563.17	11.04486	(14011518)	446849.17
3762509.82	10.68768	(14120121)		
446849.17	3762455.82	10.57296	(14051523)	446848.85
3762702.00	10.65734	(15031521)		
446849.49	3762754.71	10.77864	(14100421)	446739.81
3762428.53	9.35766	(14051523)		
446711.81	3762423.61	9.08436	(14051523)	446687.25
3762416.25	8.85884	(14051523)		
446662.20	3762412.32	8.63582	(14051523)	446636.17
3762403.97	8.41916	(14051523)		
449981.72	3762732.45	5.93146	(15082823)	446486.82
3762231.95	7.02076	(14011319)		
446261.97	3762068.01	5.66705	(12020618)	446443.15
3762291.63	6.91620	(13121117)		
446071.80	3762055.49	4.96933	(12020618)	446072.08
3761983.13	4.86842	(12020618)		
446138.18	3762002.17	5.09854	(14031702)	445884.94
3762039.75	4.43753	(14011319)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 313

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6AON ***
INCLUDING SOURCE(S): L0000417 , L0000418 ,
L0000419 , L0000420 , L0000421 ,
L0000422 , L0000423 , L0000424 , L0000425 , L0000426 ,
L0000427 , L0000428 , L0000429 ,
L0000430 , L0000431 , L0000432 , L0000433 , L0000434 ,
L0000435 , L0000436 , L0000437 ,
L0000438 , L0000439 , L0000440 , L0000441 , L0000442 ,
L0000443 , L0000444 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	11.03803	(12080704)	447375.98	

3764150.98	11.56002	(15071803)		
447389.75	3764043.04	11.78017	(15082605)	447450.16
3764031.05	11.66439	(14080203)		
447410.18	3764019.05	11.81504	(15082605)	446891.90
3764451.22	10.20461	(16072804)		
446959.28	3764451.22	10.20365	(16072804)	446995.28
3764468.13	10.31707	(13090723)		
447007.41	3764467.30	10.37330	(13090723)	447023.51
3764466.09	10.40042	(13090723)		
447036.59	3764466.21	10.40362	(13090723)	447052.68
3764465.61	10.41574	(13090723)		
447066.60	3764465.73	10.41454	(13090723)	447099.65
3764456.17	10.46954	(13090423)		
447145.28	3764468.27	10.49125	(13090423)	447175.54
3764468.03	10.36208	(13090423)		
447205.32	3764468.27	10.20340	(13090423)	447232.43
3764467.55	10.35423	(12072004)		
447264.02	3764467.30	10.65765	(12072004)	447294.77
3764466.94	10.80685	(12080704)		
447364.97	3764456.41	10.74495	(12080704)	447406.61
3764460.65	10.68202	(16072603)		
447441.47	3764460.04	10.75575	(12081001)	447466.88
3764460.20	10.75204	(12081001)		
447490.00	3764460.56	10.68731	(12081001)	447515.50
3764460.40	10.56421	(12081001)		
447573.06	3764454.29	10.38351	(15032722)	447598.49
3764445.22	10.46878	(15032722)		
447652.90	3764439.70	10.66936	(15032722)	447692.92
3764439.51	10.68533	(12083006)		
447713.82	3764439.11	10.70873	(12083006)	447731.95
3764438.72	10.72876	(12083006)		
447751.07	3764438.72	10.72058	(12083006)	447768.82
3764437.53	10.72517	(14072401)		
447789.12	3764437.73	10.76790	(14072401)	447805.68
3764437.34	10.79781	(15062301)		
447824.02	3764437.20	10.81298	(15062301)	447841.61
3764437.87	10.82384	(13090206)		
447861.72	3764437.53	10.83189	(13090206)	447881.66
3764435.18	10.84046	(15083004)		
447902.78	3764436.19	10.84290	(15083004)	447920.87
3764435.35	10.87362	(12082822)		
447942.16	3764435.35	10.92003	(12082822)	447962.77
3764434.85	10.95069	(12082822)		
447980.70	3764435.18	10.96172	(12082822)	448004.66
3764435.18	10.92879	(12082822)		
448021.25	3764434.68	10.80300	(12082822)	447662.70
3764379.63	11.06696	(15032722)		
447681.30	3764320.98	11.33083	(15032722)	447682.64
3764285.79	11.35271	(15032722)		
447662.53	3764238.37	11.40584	(15032722)	447661.70
3764207.37	11.38256	(15032722)		
447683.14	3764162.29	11.32153	(15032722)	447680.97
3764145.87	11.29743	(15032722)		
447679.63	3764130.28	11.25539	(15032722)	447680.80
3764112.02	11.21632	(15032722)		
447681.47	3764096.43	11.23364	(15032722)	447680.80
3764078.84	11.29508	(15032722)		
447679.96	3764064.26	11.39368	(15032722)	447680.97
3764045.82	11.53645	(15032722)		
447680.63	3764029.74	11.67303	(15032722)	447657.17
3763992.03	11.84565	(15032722)		
447656.33	3763967.06	12.10370	(13082423)	447657.17
3763928.69	12.45028	(13082423)		
447657.17	3763902.21	12.69920	(13082423)	447657.51
3763869.03	12.88363	(13082423)		
447656.16	3763834.94	13.21701	(13082423)	447655.93

3763808.27	13.52898	(13082423)		
447657.09	3763786.00	13.79270	(13082423)	447701.21
3763782.14	13.86703	(13082423)		
447856.92	3763749.71	13.45024	(16072222)	447854.99
3763730.13	13.55236	(16072222)		
447854.35	3763698.35	13.72433	(16072222)	447855.31
3763676.84	13.84267	(16072222)		
447675.51	3763287.46	14.18700	(12071304)	448481.33
3763485.29	16.75567	(14091221)		
448479.95	3763195.53	16.33455	(13082921)	448478.56
3762907.16	36.97559	(13082222)		
448497.89	3762714.10	74.79564	(15102517)	448507.91
3762487.71	24.19702	(15082623)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 314

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 6AON ***

INCLUDING SOURCE(S): L0000417 , L0000418 ,
 L0000419 , L0000420 , L0000421 ,
 L0000422 , L0000423 , L0000424 , L0000425 , L0000426 ,
 L0000427 , L0000428 , L0000429 ,
 L0000430 , L0000431 , L0000432 , L0000433 , L0000434 ,
 L0000435 , L0000436 , L0000437 ,
 L0000438 , L0000439 , L0000440 , L0000441 , L0000442 ,
 L0000443 , L0000444 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	20.55940	(12121716)	448462.73	
3762339.82	19.93387	(12121716)			
448464.47	3762265.93	16.87221	(12121716)	448461.57	
3762165.17	13.86622	(12121716)			
448472.57	3762064.71	11.69489	(12121716)	448460.48	
3762016.72	10.86569	(12121716)			
448234.63	3761951.18	9.77113	(16020918)	448081.42	
3761952.78	9.80018	(13050222)			
448025.53	3761955.99	9.78251	(13050222)	447506.75	
3761967.63	9.77237	(12082901)			
447269.29	3761967.74	9.30697	(12091503)	447389.46	
3761908.79	8.98840	(12091405)			
447019.14	3761964.34	8.44199	(15090904)	447060.33	
3761963.58	8.68003	(15090904)			
446975.31	3761963.20	8.25239	(14091405)	446940.92	
3761953.76	8.06811	(14051524)			
446865.72	3761974.54	8.02710	(15090903)	446795.06	
3761957.91	7.69361	(15100921)			
446757.65	3761965.85	7.61413	(15100921)	446709.33	
3761967.74	7.37667	(15100921)			
446796.42	3762028.62	8.09169	(15100921)	446796.97	
3762045.28	8.13931	(15100921)			
446796.70	3762089.51	8.32536	(14080302)	446796.15	
3762105.89	8.35560	(14080302)			
446796.70	3762137.29	8.61654	(15101023)	446796.15	

3762153.39	8.73738	(15101023)		
446772.40	3762215.37	8.89185	(14022022)	446795.06
3762321.03	9.84096	(15101024)		
446796.42	3762450.98	10.73467	(13121117)	446796.42
3762471.18	10.87004	(13121117)		
446797.24	3762496.03	11.11106	(14051523)	446798.06
3762516.51	11.23532	(14051523)		
446797.79	3762539.98	11.22997	(14051523)	446797.52
3762560.19	11.39459	(14120121)		
446798.61	3762584.76	11.54835	(14011518)	446798.06
3762604.42	11.79785	(14011518)		
446799.70	3762654.11	12.07683	(16021518)	446799.97
3762674.58	12.14651	(16021518)		
446800.25	3762700.25	12.04175	(16021518)	446800.25
3762721.27	11.99702	(15031521)		
446799.97	3762735.74	11.90595	(15031521)	446797.79
3762748.02	11.74578	(15031521)		
446802.16	3762913.47	11.59315	(15090905)	446802.16
3762932.58	11.69663	(15032622)		
446802.43	3762949.24	11.71102	(15032622)	446802.98
3762967.26	11.63867	(15032622)		
446802.70	3762986.09	11.48618	(15040323)	446802.16
3763003.29	11.32219	(15040323)		
446802.16	3763021.86	11.11391	(12101719)	446802.70
3763040.70	11.14698	(12101719)		
446802.98	3763059.26	11.08630	(12101719)	446803.52
3763077.01	10.95265	(12101719)		
446756.29	3763085.26	10.38809	(12101719)	446807.68
3763646.39	12.55616	(12092322)		
446808.32	3763674.66	12.37382	(14091702)	446807.68
3763694.57	12.42757	(14091702)		
446808.32	3763710.63	12.39667	(14091702)	446808.32
3763726.37	12.33759	(14091702)		
446808.00	3763742.11	12.21268	(14091702)	446808.32
3763756.89	12.08782	(14091702)		
446808.64	3763798.32	11.88533	(14091702)	446810.25
3764484.08	10.07912	(13082922)		
446781.34	3764475.08	10.05614	(13082922)	446722.56
3764455.81	10.05319	(12092221)		
446170.32	3764559.79	9.01827	(16072901)	446872.29
3763190.26	10.68732	(15120517)		
446925.22	3763179.19	11.42397	(15120517)	446984.86
3763194.88	11.94970	(15120517)		
447010.56	3763193.28	12.19874	(15120517)	447036.58
3763193.60	12.38630	(15120517)		
447053.61	3763193.28	12.59403	(13092722)	447076.42
3763192.31	12.92181	(13092722)		
447093.45	3763192.63	13.13431	(13092722)	447122.05
3763192.63	13.45673	(13092722)		
447138.75	3763192.31	13.62263	(13092722)	447167.99
3763192.31	13.99993	(13092602)		
447170.68	3763172.18	14.38743	(13092722)	447170.41
3763158.25	14.70873	(13092722)		
447169.31	3763144.87	14.96463	(13092722)	447147.46
3763107.45	15.52543	(15120517)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 315

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 6AON ***

INCLUDING SOURCE(S): L0000417 , L0000418 ,

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          L0000419      , L0000420      , L0000421      ,
L0000422      , L0000423      , L0000424      , L0000425      , L0000426      ,
L0000427      , L0000428      , L0000429      ,
L0000430      , L0000431      , L0000432      , L0000433      , L0000434      ,
L0000435      , L0000436      , L0000437      ,
L0000438      , L0000439      , L0000440      , L0000441      , L0000442      ,
L0000443      , L0000444      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
447146.64	3763084.24	15.98591	(15120517)	447146.92	
3763064.30	16.24810	(15120517)			
447149.92	3763038.90	16.92247	(12020622)	447148.56	
3763019.78	17.41402	(12020622)			
447148.56	3762997.39	17.79156	(12020622)	447206.08	
3762958.49	20.62867	(12101719)			
447209.33	3762922.51	21.70010	(12101719)	447208.40	
3762890.70	22.62544	(15032622)			
447145.83	3762888.87	20.14367	(15032622)	447122.55	
3762889.07	19.28626	(15032622)			
447094.33	3762890.05	18.30885	(15032622)	447071.04	
3762890.45	17.55637	(15032622)			
447043.61	3762889.66	16.72065	(15032622)	447017.76	
3762888.87	15.97677	(15032622)			
446992.11	3762889.07	15.28806	(15032622)	446964.28	
3762888.28	14.66347	(15090905)			
446940.41	3762888.47	14.20816	(15090905)	446911.20	
3762888.08	13.69219	(15090905)			
446885.35	3762889.66	13.22388	(15090905)	446862.07	
3762888.87	12.86034	(15090905)			
446871.45	3762779.57	13.00748	(16041722)	446926.31	
3762768.72	14.05863	(16041722)			
446983.74	3762774.24	15.38983	(16041722)	447009.00	
3762774.05	16.03866	(16041722)			
447030.51	3762774.44	16.63337	(16041722)	447055.37	
3762774.05	17.36952	(16041722)			
447076.88	3762774.24	18.05695	(16041722)	447101.16	
3762774.44	18.89432	(16041722)			
447123.85	3762774.05	19.74326	(16041722)	447148.12	
3762775.03	20.73349	(16041722)			
447170.23	3762774.84	21.71769	(16041722)	447196.78	
3762775.48	23.02128	(16041722)			
447242.12	3762776.57	25.61591	(16041722)	447262.33	
3762776.03	26.96293	(16041722)			
447294.56	3762776.30	29.40792	(16041722)	447313.13	
3762775.48	31.02682	(16041722)			
447313.40	3762749.53	31.46386	(15031521)	447327.86	
3762713.09	32.65529	(16021518)			
447327.36	3762679.87	30.76998	(14011518)	447327.74	
3762657.02	29.56841	(14051523)			
447327.28	3762636.82	28.53174	(14051523)	447327.51	
3762612.90	26.92950	(13121117)			
447327.28	3762592.24	25.65706	(14051602)	447327.04	
3762569.71	24.42779	(14100401)			
447327.28	3762547.89	23.49139	(14100401)	447326.58	
3762524.67	22.18355	(14100401)			
447326.58	3762506.09	21.32729	(15100919)	447327.51	
3762477.53	20.21931	(15101023)			
447325.88	3762454.31	19.23294	(15101023)	447225.58	

3762432.95	16.77679	(15101023)		
447200.27	3762430.63	16.24146	(14022022)	447156.85
3762430.16	15.50266	(15031424)		
447131.77	3762430.86	15.15453	(14100401)	447102.74
3762430.63	14.74210	(14100401)		
447079.06	3762430.86	14.37648	(14100401)	447034.94
3762433.65	13.66209	(14100401)		
446995.47	3762433.65	13.00088	(12020618)	446972.71
3762434.34	12.72024	(12020618)		
446941.37	3762434.58	12.30648	(12020618)	446916.06
3762436.90	11.96922	(12020618)		
446876.35	3762436.90	11.50213	(14011319)	446848.85
3762647.05	12.80539	(14011518)		
446848.85	3762563.17	12.12080	(14120121)	446849.17
3762509.82	11.88066	(14051523)		
446849.17	3762455.82	11.35389	(13121117)	446848.85
3762702.00	12.86146	(16021518)		
446849.49	3762754.71	12.50796	(15031521)	446739.81
3762428.53	9.97542	(13121117)		
446711.81	3762423.61	9.68712	(13121117)	446687.25
3762416.25	9.42204	(13121117)		
446662.20	3762412.32	9.19008	(13121117)	446636.17
3762403.97	8.93302	(13121117)		
449981.72	3762732.45	5.70263	(15082823)	446486.82
3762231.95	7.17505	(12020618)		
446261.97	3762068.01	5.80754	(15101024)	446443.15
3762291.63	7.16831	(14011319)		
446071.80	3762055.49	5.07325	(15101024)	446072.08
3761983.13	5.00218	(15101024)		
446138.18	3762002.17	5.23287	(15101024)	445884.94
3762039.75	4.52940	(12020618)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 316

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6BBREAT ***
INCLUDING SOURCE(S): 6BBREAT ,


*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC (YYMMDDHH)				
447362.21	3764292.67	15.15148	(13090723)	447375.98	
3764150.98	15.70470	(15061924)			
447389.75	3764043.04	15.77667	(16072804)	447450.16	
3764031.05	16.01559	(15061924)			
447410.18	3764019.05	15.87545	(16072804)	446891.90	
3764451.22	12.19309	(12092221)			
446959.28	3764451.22	12.39027	(15092403)	446995.28	
3764468.13	12.65315	(15061824)			
447007.41	3764467.30	12.76843	(15061824)	447023.51	
3764466.09	12.85518	(14081603)			
447036.59	3764466.21	12.98209	(14081603)	447052.68	
3764465.61	13.13344	(14081603)			
447066.60	3764465.73	13.22930	(14081603)	447099.65	
3764456.17	13.32635	(12092724)			

447145.28	3764468.27	13.47581	(12083005)	447175.54
3764468.03	13.34637	(12083005)		
447205.32	3764468.27	13.23904	(13090723)	447232.43
3764467.55	13.78682	(13090723)		
447264.02	3764467.30	14.41872	(13070222)	447294.77
3764466.94	14.88109	(13070222)		
447364.97	3764456.41	15.02557	(13090423)	447406.61
3764460.65	15.04144	(13090423)		
447441.47	3764460.04	15.20941	(14083005)	447466.88
3764460.20	15.10990	(16072504)		
447490.00	3764460.56	15.26018	(15092502)	447515.50
3764460.40	15.21307	(15092502)		
447573.06	3764454.29	15.10888	(12080704)	447598.49
3764445.22	15.39965	(12080704)		
447652.90	3764439.70	16.15212	(16072603)	447692.92
3764439.51	16.26879	(16072603)		
447713.82	3764439.11	16.37702	(15062904)	447731.95
3764438.72	16.65876	(12081001)		
447751.07	3764438.72	16.79349	(12081001)	447768.82
3764437.53	16.83910	(12081001)		
447789.12	3764437.73	17.00923	(12081604)	447805.68
3764437.34	17.02496	(12081604)		
447824.02	3764437.20	17.07700	(13091705)	447841.61
3764437.87	17.23021	(16062701)		
447861.72	3764437.53	17.33070	(16062701)	447881.66
3764435.18	17.25997	(16062701)		
447902.78	3764436.19	17.32236	(12071001)	447920.87
3764435.35	17.36155	(15080504)		
447942.16	3764435.35	17.40445	(12092102)	447962.77
3764434.85	17.59625	(12092102)		
447980.70	3764435.18	17.57730	(12092102)	448004.66
3764435.18	17.30198	(16062804)		
448021.25	3764434.68	16.99702	(12083006)	447662.70
3764379.63	16.93751	(16072603)		
447681.30	3764320.98	17.52310	(16072603)	447682.64
3764285.79	17.49244	(12080704)		
447662.53	3764238.37	17.42950	(12080704)	447661.70
3764207.37	17.15730	(12080704)		
447683.14	3764162.29	17.02209	(12080704)	447680.97
3764145.87	16.82345	(12080704)		
447679.63	3764130.28	16.58955	(12080704)	447680.80
3764112.02	16.45764	(14080203)		
447681.47	3764096.43	16.46717	(12072004)	447680.80
3764078.84	16.61076	(12072004)		
447679.96	3764064.26	16.81208	(12072004)	447680.97
3764045.82	17.09174	(12072004)		
447680.63	3764029.74	17.33625	(12072004)	447657.17
3763992.03	17.61478	(15071803)		
447656.33	3763967.06	18.10556	(15071803)	447657.17
3763928.69	18.84413	(13090423)		
447657.17	3763902.21	19.34820	(13090423)	447657.51
3763869.03	19.58082	(13090423)		
447656.16	3763834.94	19.95385	(13090423)	447655.93
3763808.27	20.67191	(15082523)		
447657.09	3763786.00	21.21921	(15082523)	447701.21
3763782.14	21.85171	(13090423)		
447856.92	3763749.71	21.83984	(12080704)	447854.99
3763730.13	21.94293	(13071601)		
447854.35	3763698.35	22.19132	(14080203)	447855.31
3763676.84	22.36848	(14080203)		
447675.51	3763287.46	23.66666	(12081402)	448481.33
3763485.29	31.89942	(12090506)		
448479.95	3763195.53	39.29110	(12091005)	448478.56
3762907.16	45.87944	(12091102)		
448497.89	3762714.10	109.32112	(14041207)	448507.91
3762487.71	295.57021	(14120316)		

3762967.26	7.17135	(12020622)		
446802.70	3762986.09	7.20340	(12020622)	446802.16
3763003.29	7.20056	(12020622)		
446802.16	3763021.86	7.16933	(12020622)	446802.70
3763040.70	7.10711	(12020622)		
446802.98	3763059.26	7.01272	(12020622)	446803.52
3763077.01	6.98668	(16112103)		
446756.29	3763085.26	6.71300	(16112103)	446807.68
3763646.39	12.13043	(16072103)		
446808.32	3763674.66	11.91400	(13013121)	446807.68
3763694.57	11.89362	(16122218)		
446808.32	3763710.63	11.91460	(16122218)	446808.32
3763726.37	11.95380	(15091101)		
446808.00	3763742.11	11.95878	(15091101)	446808.32
3763756.89	11.99839	(14091702)		
446808.64	3763798.32	12.28188	(14091702)	446810.25
3764484.08	11.86094	(12081704)		
446781.34	3764475.08	11.82394	(12081704)	446722.56
3764455.81	11.46715	(15062905)		
446170.32	3764559.79	9.59392	(16072901)	446872.29
3763190.26	11.89093	(12020623)		
446925.22	3763179.19	12.58529	(13051203)	446984.86
3763194.88	12.98027	(13051203)		
447010.56	3763193.28	13.48048	(16092723)	447036.58
3763193.60	13.85981	(16092723)		
447053.61	3763193.28	14.13207	(16092723)	447076.42
3763192.31	14.54966	(16092723)		
447093.45	3763192.63	14.92507	(16092723)	447122.05
3763192.63	14.91264	(16092723)		
447138.75	3763192.31	14.98993	(15021422)	447167.99
3763192.31	15.27185	(16110920)		
447170.68	3763172.18	15.25420	(15021422)	447170.41
3763158.25	15.19124	(15021422)		
447169.31	3763144.87	15.25354	(16092723)	447147.46
3763107.45	15.60924	(13051203)		

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 318

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 6BBREAT ***
 INCLUDING SOURCE(S): 6BBREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	15.63845	(13051203)	447146.92	
3763064.30	15.38393	(13051203)			
447149.92	3763038.90	9.68114	(15120517)	447148.56	
3763019.78	9.78914	(15120517)			
447148.56	3762997.39	9.85310	(15120517)	447206.08	
3762958.49	10.56280	(15120517)			
447209.33	3762922.51	10.74185	(16112103)	447208.40	
3762890.70	10.96472	(12020622)			
447145.83	3762888.87	10.26904	(12020622)	447122.55	
3762889.07	10.00280	(12020622)			

447094.33	3762890.05	9.68234	(12020622)	447071.04
3762890.45	9.42066	(12020622)		
447043.61	3762889.66	9.11184	(12020622)	447017.76
3762888.87	8.93150	(12101719)		
446992.11	3762889.07	8.76143	(12101719)	446964.28
3762888.28	8.58197	(12101719)		
446940.41	3762888.47	8.41984	(12101719)	446911.20
3762888.08	8.22394	(12101719)		
446885.35	3762889.66	8.04214	(12101719)	446862.07
3762888.87	7.88733	(12101719)		
446871.45	3762779.57	8.13117	(15040323)	446926.31
3762768.72	8.57751	(15040323)		
446983.74	3762774.24	9.01745	(15040323)	447009.00
3762774.05	9.22634	(15040323)		
447030.51	3762774.44	9.40374	(15040323)	447055.37
3762774.05	9.61795	(15040323)		
447076.88	3762774.24	9.80063	(15040323)	447101.16
3762774.44	10.05360	(12101719)		
447123.85	3762774.05	10.34865	(12101719)	447148.12
3762775.03	10.67868	(12101719)		
447170.23	3762774.84	10.98162	(12101719)	447196.78
3762775.48	11.35646	(12101719)		
447242.12	3762776.57	12.01101	(12101719)	447262.33
3762776.03	12.31213	(12101719)		
447294.56	3762776.30	12.79607	(12101719)	447313.13
3762775.48	13.08621	(12101719)		
447313.40	3762749.53	13.21604	(12101719)	447327.86
3762713.09	13.46937	(15040323)		
447327.36	3762679.87	13.77847	(15032622)	447327.74
3762657.02	13.89587	(15032622)		
447327.28	3762636.82	13.81638	(15032622)	447327.51
3762612.90	13.90060	(15090905)		
447327.28	3762592.24	14.16876	(15090905)	447327.04
3762569.71	14.26521	(15090905)		
447327.28	3762547.89	14.16682	(15090905)	447326.58
3762524.67	13.87100	(14100421)		
447326.58	3762506.09	13.82230	(16041722)	447327.51
3762477.53	13.73088	(15031521)		
447325.88	3762454.31	13.99369	(15031521)	447225.58
3762432.95	12.32107	(15031521)		
447200.27	3762430.63	11.93810	(15031521)	447156.85
3762430.16	11.32244	(15031521)		
447131.77	3762430.86	10.99085	(15031521)	447102.74
3762430.63	10.62588	(15031521)		
447079.06	3762430.86	10.34100	(15031521)	447034.94
3762433.65	9.84183	(15031521)		
446995.47	3762433.65	9.43441	(15031521)	446972.71
3762434.34	9.21083	(15031521)		
446941.37	3762434.58	8.92091	(15031521)	446916.06
3762436.90	8.68972	(15031521)		
446876.35	3762436.90	8.35517	(15031521)	446848.85
3762647.05	8.19202	(15090905)		
446848.85	3762563.17	8.12157	(15090905)	446849.17
3762509.82	8.03101	(16041722)		
446849.17	3762455.82	8.04464	(15031521)	446848.85
3762702.00	7.96917	(15032622)		
446849.49	3762754.71	8.04675	(15032622)	446739.81
3762428.53	7.37875	(15031521)		
446711.81	3762423.61	7.21109	(15031521)	446687.25
3762416.25	7.07290	(15031521)		
446662.20	3762412.32	6.92978	(15031521)	446636.17
3762403.97	6.78852	(15031521)		
449981.72	3762732.45	7.22271	(15082923)	446486.82
3762231.95	6.03910	(14011518)		
446261.97	3762068.01	4.92913	(13121806)	446443.15
3762291.63	5.88513	(16021518)		

446071.80 3762055.49 4.38691 (14120121) 446072.08
 3761983.13 4.38000 (14051523)
 446138.18 3762002.17 4.57052 (14051523) 445884.94
 3762039.75 3.94062 (14120121)

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 319

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 6BLOAD ***
 INCLUDING SOURCE(S): 6BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	15.15141	(13090723)	447375.98	
3764150.98	15.70464	(15061924)			
447389.75	3764043.04	15.77662	(16072804)	447450.16	
3764031.05	16.01555	(15061924)			
447410.18	3764019.05	15.87541	(16072804)	446891.90	
3764451.22	12.19303	(12092221)			
446959.28	3764451.22	12.39022	(15092403)	446995.28	
3764468.13	12.65309	(15061824)			
447007.41	3764467.30	12.76837	(15061824)	447023.51	
3764466.09	12.85512	(14081603)			
447036.59	3764466.21	12.98202	(14081603)	447052.68	
3764465.61	13.13337	(14081603)			
447066.60	3764465.73	13.22923	(14081603)	447099.65	
3764456.17	13.32628	(12092724)			
447145.28	3764468.27	13.47574	(12083005)	447175.54	
3764468.03	13.34631	(12083005)			
447205.32	3764468.27	13.23898	(13090723)	447232.43	
3764467.55	13.78675	(13090723)			
447264.02	3764467.30	14.41864	(13070222)	447294.77	
3764466.94	14.88100	(13070222)			
447364.97	3764456.41	15.02549	(13090423)	447406.61	
3764460.65	15.04136	(13090423)			
447441.47	3764460.04	15.20933	(14083005)	447466.88	
3764460.20	15.10982	(16072504)			
447490.00	3764460.56	15.26010	(15092502)	447515.50	
3764460.40	15.21299	(15092502)			
447573.06	3764454.29	15.10881	(12080704)	447598.49	
3764445.22	15.39958	(12080704)			
447652.90	3764439.70	16.15204	(16072603)	447692.92	
3764439.51	16.26870	(16072603)			
447713.82	3764439.11	16.37693	(15062904)	447731.95	
3764438.72	16.65867	(12081001)			
447751.07	3764438.72	16.79340	(12081001)	447768.82	
3764437.53	16.83901	(12081001)			
447789.12	3764437.73	17.00913	(12081604)	447805.68	
3764437.34	17.02486	(12081604)			
447824.02	3764437.20	17.07678	(13091705)	447841.61	
3764437.87	17.23011	(16062701)			
447861.72	3764437.53	17.33060	(16062701)	447881.66	
3764435.18	17.25987	(16062701)			
447902.78	3764436.19	17.32226	(12071001)	447920.87	

3764435.35	17.36145	(15080504)		
447942.16	3764435.35	17.40436	(12092102)	447962.77
3764434.85	17.59615	(12092102)		
447980.70	3764435.18	17.57719	(12092102)	448004.66
3764435.18	17.30189	(16062804)		
448021.25	3764434.68	16.99694	(12083006)	447662.70
3764379.63	16.93742	(16072603)		
447681.30	3764320.98	17.52301	(16072603)	447682.64
3764285.79	17.49235	(12080704)		
447662.53	3764238.37	17.42942	(12080704)	447661.70
3764207.37	17.15723	(12080704)		
447683.14	3764162.29	17.02203	(12080704)	447680.97
3764145.87	16.82339	(12080704)		
447679.63	3764130.28	16.58951	(12080704)	447680.80
3764112.02	16.45759	(14080203)		
447681.47	3764096.43	16.46713	(12072004)	447680.80
3764078.84	16.61072	(12072004)		
447679.96	3764064.26	16.81204	(12072004)	447680.97
3764045.82	17.09170	(12072004)		
447680.63	3764029.74	17.33621	(12072004)	447657.17
3763992.03	17.61473	(15071803)		
447656.33	3763967.06	18.10551	(15071803)	447657.17
3763928.69	18.84408	(13090423)		
447657.17	3763902.21	19.34815	(13090423)	447657.51
3763869.03	19.58077	(13090423)		
447656.16	3763834.94	19.95380	(13090423)	447655.93
3763808.27	20.67184	(15082523)		
447657.09	3763786.00	21.21914	(15082523)	447701.21
3763782.14	21.85165	(13090423)		
447856.92	3763749.71	21.83981	(12080704)	447854.99
3763730.13	21.94289	(13071601)		
447854.35	3763698.35	22.19129	(14080203)	447855.31
3763676.84	22.36845	(14080203)		
447675.51	3763287.46	23.66669	(12081402)	448481.33
3763485.29	31.89937	(12090506)		
448479.95	3763195.53	39.29122	(12091005)	448478.56
3762907.16	45.87920	(12091102)		
448497.89	3762714.10	109.27354	(14041207)	448507.91
3762487.71	295.53397	(14120316)		

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 320

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 6BLOAD ***
 INCLUDING SOURCE(S): 6BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	161.21965	(16072221)	448462.73	
3762339.82	265.83810	(12121716)			
448464.47	3762265.93	247.83511	(12121716)	448461.57	
3762165.17	90.19326	(12121716)			
448472.57	3762064.71	45.05416	(16020918)	448460.48	
3762016.72	38.73880	(13093021)			

448234.63	3761951.18	33.80375	(15090923)	448081.42
3761952.78	30.12885	(16061824)		
448025.53	3761955.99	28.48299	(12082901)	447506.75
3761967.63	14.76383	(14080302)		
447269.29	3761967.74	11.08572	(14022022)	447389.46
3761908.79	12.35834	(14080302)		
447019.14	3761964.34	8.71798	(15101024)	447060.33
3761963.58	9.06805	(15101024)		
446975.31	3761963.20	8.33015	(15101024)	446940.92
3761953.76	8.04086	(15101024)		
446865.72	3761974.54	7.58708	(12020618)	446795.06
3761957.91	7.12156	(12020618)		
446757.65	3761965.85	6.89484	(12020618)	446709.33
3761967.74	6.66310	(14011319)		
446796.42	3762028.62	7.25482	(14011319)	446796.97
3762045.28	7.31262	(13121117)		
446796.70	3762089.51	7.41791	(15031523)	446796.15
3762105.89	7.46732	(14051523)		
446796.70	3762137.29	7.53882	(14051523)	446796.15
3762153.39	7.52728	(14051523)		
446772.40	3762215.37	7.43782	(14120121)	446795.06
3762321.03	7.81992	(16021518)		
446796.42	3762450.98	7.67950	(15031521)	446796.42
3762471.18	7.54745	(16041722)		
446797.24	3762496.03	7.63843	(16041722)	446798.06
3762516.51	7.65812	(16041722)		
446797.79	3762539.98	7.66090	(14100421)	446797.52
3762560.19	7.70304	(15090905)		
446798.61	3762584.76	7.84493	(15090905)	446798.06
3762604.42	7.89319	(15090905)		
446799.70	3762654.11	7.81721	(15090905)	446799.97
3762674.58	7.69362	(15090905)		
446800.25	3762700.25	7.57075	(15032622)	446800.25
3762721.27	7.66243	(15032622)		
446799.97	3762735.74	7.69319	(15032622)	446797.79
3762748.02	7.68613	(15032622)		
446802.16	3762913.47	7.43601	(12101719)	446802.16
3762932.58	7.35301	(12101719)		
446802.43	3762949.24	7.25142	(12101719)	446802.98
3762967.26	7.17125	(12020622)		
446802.70	3762986.09	7.20329	(12020622)	446802.16
3763003.29	7.20045	(12020622)		
446802.16	3763021.86	7.16922	(12020622)	446802.70
3763040.70	7.10701	(12020622)		
446802.98	3763059.26	7.01262	(12020622)	446803.52
3763077.01	6.98656	(16112103)		
446756.29	3763085.26	6.71288	(16112103)	446807.68
3763646.39	12.13042	(16072103)		
446808.32	3763674.66	11.91400	(13013121)	446807.68
3763694.57	11.89358	(16122218)		
446808.32	3763710.63	11.91455	(16122218)	446808.32
3763726.37	11.95380	(15091101)		
446808.00	3763742.11	11.95878	(15091101)	446808.32
3763756.89	11.99838	(14091702)		
446808.64	3763798.32	12.28187	(14091702)	446810.25
3764484.08	11.86089	(12081704)		
446781.34	3764475.08	11.82388	(12081704)	446722.56
3764455.81	11.46710	(15062905)		
446170.32	3764559.79	9.59387	(16072901)	446872.29
3763190.26	11.89097	(12020623)		
446925.22	3763179.19	12.58530	(13051203)	446984.86
3763194.88	12.98028	(13051203)		
447010.56	3763193.28	13.48054	(16092723)	447036.58
3763193.60	13.85988	(16092723)		
447053.61	3763193.28	14.13214	(16092723)	447076.42
3763192.31	14.54972	(16092723)		

447093.45	3763192.63	14.92513	(16092723)	447122.05
3763192.63	14.91270	(16092723)		
447138.75	3763192.31	14.98997	(15021422)	447167.99
3763192.31	15.27184	(16110920)		
447170.68	3763172.18	15.25427	(15021422)	447170.41
3763158.25	15.19132	(15021422)		
447169.31	3763144.87	15.25363	(16092723)	447147.46
3763107.45	15.60926	(13051203)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 321

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6BLOAD ***
INCLUDING SOURCE(S): 6BLOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	15.63847	(13051203)	447146.92	
3763064.30	15.38395	(13051203)			
447149.92	3763038.90	9.68109	(15120517)	447148.56	
3763019.78	9.78909	(15120517)			
447148.56	3762997.39	9.85305	(15120517)	447206.08	
3762958.49	10.56275	(15120517)			
447209.33	3762922.51	10.74166	(16112103)	447208.40	
3762890.70	10.96456	(12020622)			
447145.83	3762888.87	10.26889	(12020622)	447122.55	
3762889.07	10.00266	(12020622)			
447094.33	3762890.05	9.68220	(12020622)	447071.04	
3762890.45	9.42053	(12020622)			
447043.61	3762889.66	9.11171	(12020622)	447017.76	
3762888.87	8.93146	(12101719)			
446992.11	3762889.07	8.76139	(12101719)	446964.28	
3762888.28	8.58194	(12101719)			
446940.41	3762888.47	8.41980	(12101719)	446911.20	
3762888.08	8.22391	(12101719)			
446885.35	3762889.66	8.04211	(12101719)	446862.07	
3762888.87	7.88729	(12101719)			
446871.45	3762779.57	8.13110	(15040323)	446926.31	
3762768.72	8.57744	(15040323)			
446983.74	3762774.24	9.01738	(15040323)	447009.00	
3762774.05	9.22627	(15040323)			
447030.51	3762774.44	9.40366	(15040323)	447055.37	
3762774.05	9.61787	(15040323)			
447076.88	3762774.24	9.80055	(15040323)	447101.16	
3762774.44	10.05356	(12101719)			
447123.85	3762774.05	10.34860	(12101719)	447148.12	
3762775.03	10.67864	(12101719)			
447170.23	3762774.84	10.98157	(12101719)	447196.78	
3762775.48	11.35641	(12101719)			
447242.12	3762776.57	12.01095	(12101719)	447262.33	
3762776.03	12.31207	(12101719)			
447294.56	3762776.30	12.79601	(12101719)	447313.13	
3762775.48	13.08616	(12101719)			
447313.40	3762749.53	13.21598	(12101719)	447327.86	

3762713.09	13.46926	(15040323)		
447327.36	3762679.87	13.77840	(15032622)	447327.74
3762657.02	13.89580	(15032622)		
447327.28	3762636.82	13.81631	(15032622)	447327.51
3762612.90	13.90052	(15090905)		
447327.28	3762592.24	14.16868	(15090905)	447327.04
3762569.71	14.26513	(15090905)		
447327.28	3762547.89	14.16674	(15090905)	447326.58
3762524.67	13.87092	(14100421)		
447326.58	3762506.09	13.82222	(16041722)	447327.51
3762477.53	13.73082	(15031521)		
447325.88	3762454.31	13.99363	(15031521)	447225.58
3762432.95	12.32101	(15031521)		
447200.27	3762430.63	11.93804	(15031521)	447156.85
3762430.16	11.32239	(15031521)		
447131.77	3762430.86	10.99080	(15031521)	447102.74
3762430.63	10.62583	(15031521)		
447079.06	3762430.86	10.34095	(15031521)	447034.94
3762433.65	9.84178	(15031521)		
446995.47	3762433.65	9.43436	(15031521)	446972.71
3762434.34	9.21079	(15031521)		
446941.37	3762434.58	8.92087	(15031521)	446916.06
3762436.90	8.68967	(15031521)		
446876.35	3762436.90	8.35513	(15031521)	446848.85
3762647.05	8.19197	(15090905)		
446848.85	3762563.17	8.12153	(15090905)	446849.17
3762509.82	8.03096	(16041722)		
446849.17	3762455.82	8.04460	(15031521)	446848.85
3762702.00	7.96913	(15032622)		
446849.49	3762754.71	8.04671	(15032622)	446739.81
3762428.53	7.37872	(15031521)		
446711.81	3762423.61	7.21106	(15031521)	446687.25
3762416.25	7.07286	(15031521)		
446662.20	3762412.32	6.92975	(15031521)	446636.17
3762403.97	6.78849	(15031521)		
449981.72	3762732.45	7.22267	(15082923)	446486.82
3762231.95	6.03906	(14011518)		
446261.97	3762068.01	4.92905	(13121806)	446443.15
3762291.63	5.88510	(16021518)		
446071.80	3762055.49	4.38685	(14120121)	446072.08
3761983.13	4.37998	(14051523)		
446138.18	3762002.17	4.57049	(14051523)	445884.94
3762039.75	3.94057	(14120121)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 322

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 6BREF *** INCLUDING SOURCE(S): 6BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)
447362.21	3764292.67	18.95481 (13090723)	447375.98	
3764150.98	19.43351	(15061924)		

447389.75	3764043.04	18.77731	(16072804)	447450.16
3764031.05	19.11445	(15061924)		
447410.18	3764019.05	18.73052	(16072804)	446891.90
3764451.22	15.27394	(12092221)		
446959.28	3764451.22	15.43281	(15041824)	446995.28
3764468.13	16.03822	(13082922)		
447007.41	3764467.30	16.22272	(13082922)	447023.51
3764466.09	16.28383	(13082922)		
447036.59	3764466.21	16.23397	(13082922)	447052.68
3764465.61	16.36886	(14081603)		
447066.60	3764465.73	16.51837	(14081603)	447099.65
3764456.17	16.82642	(16072804)		
447145.28	3764468.27	16.88765	(12083005)	447175.54
3764468.03	16.63297	(12083005)		
447205.32	3764468.27	16.67201	(15061924)	447232.43
3764467.55	17.45529	(13090723)		
447264.02	3764467.30	18.52718	(13090723)	447294.77
3764466.94	19.00864	(13070222)		
447364.97	3764456.41	19.09332	(13090423)	447406.61
3764460.65	19.20751	(13090423)		
447441.47	3764460.04	19.26829	(14070404)	447466.88
3764460.20	19.21828	(16072504)		
447490.00	3764460.56	19.20117	(12072004)	447515.50
3764460.40	19.24428	(12072004)		
447573.06	3764454.29	18.77017	(12080704)	447598.49
3764445.22	19.33766	(12080704)		
447652.90	3764439.70	20.29383	(13062605)	447692.92
3764439.51	20.72746	(16072603)		
447713.82	3764439.11	20.86955	(15062904)	447731.95
3764438.72	20.99497	(12081001)		
447751.07	3764438.72	21.40991	(12081001)	447768.82
3764437.53	21.56002	(12081001)		
447789.12	3764437.73	21.75914	(12081604)	447805.68
3764437.34	21.86889	(12081604)		
447824.02	3764437.20	21.83889	(16082102)	447841.61
3764437.87	21.86890	(16082102)		
447861.72	3764437.53	21.90330	(16062701)	447881.66
3764435.18	21.89150	(16062701)		
447902.78	3764436.19	22.19662	(15032722)	447920.87
3764435.35	22.12731	(15032722)		
447942.16	3764435.35	22.18134	(14040923)	447962.77
3764434.85	22.13051	(12092102)		
447980.70	3764435.18	22.29473	(12092102)	448004.66
3764435.18	21.93490	(16062804)		
448021.25	3764434.68	21.47148	(12080203)	447662.70
3764379.63	21.55904	(13062605)		
447681.30	3764320.98	22.29468	(13062605)	447682.64
3764285.79	22.05780	(12080704)		
447662.53	3764238.37	21.53836	(12080704)	447661.70
3764207.37	20.93565	(14080203)		
447683.14	3764162.29	20.45845	(14080203)	447680.97
3764145.87	20.24607	(14080203)		
447679.63	3764130.28	19.93480	(14080203)	447680.80
3764112.02	19.61040	(14080203)		
447681.47	3764096.43	19.49587	(12081005)	447680.80
3764078.84	19.64050	(12081005)		
447679.96	3764064.26	19.85831	(12081005)	447680.97
3764045.82	20.15639	(12081005)		
447680.63	3764029.74	20.39376	(12081005)	447657.17
3763992.03	20.77400	(14082924)		
447656.33	3763967.06	21.38629	(14082924)	447657.17
3763928.69	22.36695	(15082605)		
447657.17	3763902.21	22.96130	(15082605)	447657.51
3763869.03	23.00268	(15082605)		
447656.16	3763834.94	23.65700	(15082523)	447655.93
3763808.27	24.66917	(15082523)		

447657.09	3763786.00	25.36581	(15082523)	447701.21
3763782.14	25.80615	(15082605)		
447856.92	3763749.71	25.06377	(12080801)	447854.99
3763730.13	24.96423	(12080801)		
447854.35	3763698.35	25.01703	(12081005)	447855.31
3763676.84	25.25403	(12081005)		
447675.51	3763287.46	24.16760	(15060921)	448481.33
3763485.29	35.99126	(13082522)		
448479.95	3763195.53	41.32369	(12071821)	448478.56
3762907.16	61.72338	(14091121)		
448497.89	3762714.10	122.10233	(16062724)	448507.91
3762487.71	311.16439	(12100120)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 323

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 6BREF ***
 INCLUDING SOURCE(S): 6BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	273.35553	(13050224)	448462.73	
3762339.82	345.10211	(12121716)			
448464.47	3762265.93	345.54785	(12121716)	448461.57	
3762165.17	102.44395	(12090602)			
448472.57	3762064.71	68.51523	(13013119)	448460.48	
3762016.72	58.95367	(13093021)			
448234.63	3761951.18	49.82336	(14090704)	448081.42	
3761952.78	43.94845	(12100123)			
448025.53	3761955.99	40.97906	(12091505)	447506.75	
3761967.63	20.25862	(14080302)			
447269.29	3761967.74	15.55390	(12101403)	447389.46	
3761908.79	17.06266	(13012221)			
447019.14	3761964.34	12.09410	(14031702)	447060.33	
3761963.58	12.73414	(15101024)			
446975.31	3761963.20	11.64000	(12020618)	446940.92	
3761953.76	11.28417	(12020618)			
446865.72	3761974.54	10.65716	(12020618)	446795.06	
3761957.91	9.98590	(14011319)			
446757.65	3761965.85	9.81568	(14011319)	446709.33	
3761967.74	9.46024	(14011319)			
446796.42	3762028.62	10.28383	(13121117)	446796.97	
3762045.28	10.37572	(13121117)			
446796.70	3762089.51	10.46954	(14051523)	446796.15	
3762105.89	10.53367	(14051523)			
446796.70	3762137.29	10.42307	(14051523)	446796.15	
3762153.39	10.49683	(13121806)			
446772.40	3762215.37	10.33162	(14120121)	446795.06	
3762321.03	11.04519	(16021518)			
446796.42	3762450.98	10.50782	(15031001)	446796.42	
3762471.18	10.60527	(16041722)			
446797.24	3762496.03	10.68979	(16041722)	446798.06	
3762516.51	10.67235	(15110319)			
446797.79	3762539.98	10.72535	(14100421)	446797.52	

3762560.19	10.76081	(15090905)		
446798.61	3762584.76	11.01960	(15090905)	446798.06
3762604.42	11.05031	(15090905)		
446799.70	3762654.11	10.52111	(15090905)	446799.97
3762674.58	10.36796	(13022424)		
446800.25	3762700.25	10.57369	(15032622)	446800.25
3762721.27	10.75553	(15032622)		
446799.97	3762735.74	10.78849	(15032622)	446797.79
3762748.02	10.74179	(15032622)		
446802.16	3762913.47	10.28770	(12101719)	446802.16
3762932.58	10.00542	(12101719)		
446802.43	3762949.24	9.88210	(16102420)	446802.98
3762967.26	10.01733	(12020622)		
446802.70	3762986.09	10.09434	(12020622)	446802.16
3763003.29	10.07435	(12020622)		
446802.16	3763021.86	9.96516	(12020622)	446802.70
3763040.70	9.79171	(16112103)		
446802.98	3763059.26	9.80261	(16112103)	446803.52
3763077.01	9.72876	(16112103)		
446756.29	3763085.26	9.38336	(16112103)	446807.68
3763646.39	13.79788	(12092322)		
446808.32	3763674.66	13.53828	(12092322)	446807.68
3763694.57	13.44582	(16102419)		
446808.32	3763710.63	13.50819	(16102419)	446808.32
3763726.37	13.48753	(16102419)		
446808.00	3763742.11	13.33725	(16102419)	446808.32
3763756.89	13.17173	(16122219)		
446808.64	3763798.32	13.72894	(14091702)	446810.25
3764484.08	14.76105	(15063002)		
446781.34	3764475.08	14.76734	(15063002)	446722.56
3764455.81	14.34027	(13062901)		
446170.32	3764559.79	12.16573	(16072901)	446872.29
3763190.26	12.26358	(12112420)		
446925.22	3763179.19	12.98381	(12112420)	446984.86
3763194.88	13.30893	(13092722)		
447010.56	3763193.28	13.97693	(13092722)	447036.58
3763193.60	14.15620	(13092722)		
447053.61	3763193.28	14.28328	(13092722)	447076.42
3763192.31	14.82608	(16110920)		
447093.45	3763192.63	15.46166	(16110920)	447122.05
3763192.63	15.70855	(16110920)		
447138.75	3763192.31	15.85175	(16110920)	447167.99
3763192.31	16.04366	(16110920)		
447170.68	3763172.18	15.90369	(16110920)	447170.41
3763158.25	15.59889	(16110920)		
447169.31	3763144.87	15.45855	(16110920)	447147.46
3763107.45	15.98604	(13092722)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 324

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6BREF ***
INCLUDING SOURCE(S): 6BREF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			

447146.64	3763084.24	15.74266	(13092722)	447146.92
3763064.30	15.50048	(12112420)		
447149.92	3763038.90	13.20115	(15120517)	447148.56
3763019.78	13.52548	(15120517)		
447148.56	3762997.39	13.70216	(15120517)	447206.08
3762958.49	14.65992	(15120517)		
447209.33	3762922.51	14.81867	(14022724)	447208.40
3762890.70	14.95988	(16112103)		
447145.83	3762888.87	14.24993	(12020622)	447122.55
3762889.07	13.92176	(12020622)		
447094.33	3762890.05	13.49989	(12020622)	447071.04
3762890.45	13.13853	(12020622)		
447043.61	3762889.66	12.68956	(12020622)	447017.76
3762888.87	12.24907	(12020622)		
446992.11	3762889.07	11.85675	(16102420)	446964.28
3762888.28	11.59856	(12101719)		
446940.41	3762888.47	11.47056	(12101719)	446911.20
3762888.08	11.30428	(12101719)		
446885.35	3762889.66	11.11157	(12101719)	446862.07
3762888.87	10.95727	(12101719)		
446871.45	3762779.57	11.23683	(15040323)	446926.31
3762768.72	11.83719	(15040323)		
446983.74	3762774.24	12.22505	(15040323)	447009.00
3762774.05	12.52940	(16122321)		
447030.51	3762774.44	12.86619	(16122321)	447055.37
3762774.05	13.24922	(16122321)		
447076.88	3762774.24	13.58522	(12101719)	447101.16
3762774.44	14.04375	(12101719)		
447123.85	3762774.05	14.46799	(12101719)	447148.12
3762775.03	14.93166	(12101719)		
447170.23	3762774.84	15.34244	(12101719)	447196.78
3762775.48	15.82873	(12101719)		
447242.12	3762776.57	16.61000	(12101719)	447262.33
3762776.03	16.95208	(12101719)		
447294.56	3762776.30	17.44442	(12101719)	447313.13
3762775.48	17.73585	(12101719)		
447313.40	3762749.53	18.31747	(12101719)	447327.86
3762713.09	18.47111	(12101719)		
447327.36	3762679.87	18.87749	(15040323)	447327.74
3762657.02	19.14597	(15032622)		
447327.28	3762636.82	19.21847	(15032622)	447327.51
3762612.90	18.73876	(15032622)		
447327.28	3762592.24	18.87879	(15090905)	447327.04
3762569.71	19.58814	(15090905)		
447327.28	3762547.89	19.72934	(15090905)	447326.58
3762524.67	19.23281	(15090905)		
447326.58	3762506.09	19.08645	(14100421)	447327.51
3762477.53	19.11090	(16041722)		
447325.88	3762454.31	18.76825	(15031001)	447225.58
3762432.95	16.87060	(15031521)		
447200.27	3762430.63	16.38649	(15031521)	447156.85
3762430.16	15.53824	(15031521)		
447131.77	3762430.86	15.06267	(15031521)	447102.74
3762430.63	14.55920	(15031521)		
447079.06	3762430.86	14.15946	(15031521)	447034.94
3762433.65	13.41684	(15031521)		
446995.47	3762433.65	12.85090	(15031521)	446972.71
3762434.34	12.52899	(15031521)		
446941.37	3762434.58	12.12172	(15031521)	446916.06
3762436.90	11.76481	(15031521)		
446876.35	3762436.90	11.30305	(15031521)	446848.85
3762647.05	11.03686	(15090905)		
446848.85	3762563.17	11.37013	(15090905)	446849.17
3762509.82	11.17188	(15110319)		

446849.17	3762455.82	11.04709	(15031001)	446848.85
3762702.00	11.16081	(15032622)		
446849.49	3762754.71	11.18126	(15040323)	446739.81
3762428.53	10.05922	(15031521)		
446711.81	3762423.61	9.87840	(15031521)	446687.25
3762416.25	9.75599	(15031521)		
446662.20	3762412.32	9.58766	(15031521)	446636.17
3762403.97	9.45131	(15031521)		
449981.72	3762732.45	10.36159	(15082923)	446486.82
3762231.95	8.55720	(14011518)		
446261.97	3762068.01	6.98346	(14120121)	446443.15
3762291.63	8.32531	(16021518)		
446071.80	3762055.49	6.23648	(14120121)	446072.08
3761983.13	6.08282	(14051523)		
446138.18	3762002.17	6.34955	(13121806)	445884.94
3762039.75	5.58652	(14120121)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 325

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6BSPILL ***
INCLUDING SOURCE(S): 6BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	22.82893	(13090723)	447375.98	
3764150.98	23.34312	(15061924)			
447389.75	3764043.04	22.17783	(16072804)	447450.16	
3764031.05	22.63485	(15061924)			
447410.18	3764019.05	22.01202	(16072804)	446891.90	
3764451.22	18.38266	(12092221)			
446959.28	3764451.22	18.65791	(15041824)	446995.28	
3764468.13	19.43860	(13082922)			
447007.41	3764467.30	19.69775	(13082922)	447023.51	
3764466.09	19.74799	(13082922)			
447036.59	3764466.21	19.61076	(13082922)	447052.68	
3764465.61	19.72855	(14081603)			
447066.60	3764465.73	19.92287	(14081603)	447099.65	
3764456.17	20.37853	(16072804)			
447145.28	3764468.27	20.38773	(12083005)	447175.54	
3764468.03	19.99963	(12083005)			
447205.32	3764468.27	20.20733	(15061924)	447232.43	
3764467.55	21.12167	(13090723)			
447264.02	3764467.30	22.54031	(13090723)	447294.77	
3764466.94	23.12404	(13070222)			
447364.97	3764456.41	23.10133	(13090423)	447406.61	
3764460.65	23.27003	(13090423)			
447441.47	3764460.04	23.43802	(15071803)	447466.88	
3764460.20	23.34091	(16072504)			
447490.00	3764460.56	23.16908	(12072004)	447515.50	
3764460.40	23.32697	(12072004)			
447573.06	3764454.29	22.53129	(12080704)	447598.49	
3764445.22	23.37318	(12080704)			
447652.90	3764439.70	24.66895	(13062605)	447692.92	

3764439.51	25.12569	(16072603)		
447713.82	3764439.11	25.36120	(15062904)	447731.95
3764438.72	25.45326	(15062904)		
447751.07	3764438.72	26.02252	(12081001)	447768.82
3764437.53	26.17969	(12081001)		
447789.12	3764437.73	26.47952	(12081604)	447805.68
3764437.34	26.58727	(12081604)		
447824.02	3764437.20	26.59257	(16082102)	447841.61
3764437.87	26.61199	(16082102)		
447861.72	3764437.53	26.54908	(16062701)	447881.66
3764435.18	26.48285	(16062701)		
447902.78	3764436.19	27.08150	(15032722)	447920.87
3764435.35	26.90292	(15032722)		
447942.16	3764435.35	26.96345	(14040923)	447962.77
3764434.85	26.75249	(12092102)		
447980.70	3764435.18	27.03026	(12092102)	448004.66
3764435.18	26.72763	(12080203)		
448021.25	3764434.68	26.12541	(12080203)	447662.70
3764379.63	26.29298	(13062605)		
447681.30	3764320.98	27.16820	(13062605)	447682.64
3764285.79	26.55768	(12080704)		
447662.53	3764238.37	25.85296	(12080704)	447661.70
3764207.37	25.21410	(14080203)		
447683.14	3764162.29	24.46232	(14080203)	447680.97
3764145.87	24.16265	(14080203)		
447679.63	3764130.28	23.69983	(14080203)	447680.80
3764112.02	23.19515	(14080203)		
447681.47	3764096.43	23.13964	(12081005)	447680.80
3764078.84	23.32642	(12081005)		
447679.96	3764064.26	23.59341	(12081005)	447680.97
3764045.82	23.93763	(12081005)		
447680.63	3764029.74	24.18323	(12081005)	447657.17
3763992.03	24.46491	(14082924)		
447656.33	3763967.06	25.24016	(14082924)	447657.17
3763928.69	26.47140	(15082605)		
447657.17	3763902.21	27.22550	(15082605)	447657.51
3763869.03	27.10190	(15082605)		
447656.16	3763834.94	27.79764	(15082523)	447655.93
3763808.27	29.20584	(15082523)		
447657.09	3763786.00	30.09887	(15082523)	447701.21
3763782.14	30.52412	(15082605)		
447856.92	3763749.71	29.50618	(12080801)	447854.99
3763730.13	29.20232	(12080801)		
447854.35	3763698.35	29.01331	(12081005)	447855.31
3763676.84	29.29142	(12081005)		
447675.51	3763287.46	27.42087	(15060921)	448481.33
3763485.29	41.62428	(16071503)		
448479.95	3763195.53	46.15508	(12071821)	448478.56
3762907.16	76.22820	(14091121)		
448497.89	3762714.10	151.09136	(16062724)	448507.91
3762487.71	381.67753	(12100120)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 326

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6BSPILL ***
INCLUDING SOURCE(S): 6BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	336.42244	(13050224)	448462.73	
3762339.82	338.27130	(16082922)			
448464.47	3762265.93	400.94159	(12121716)	448461.57	
3762165.17	127.05939	(12090602)			
448472.57	3762064.71	85.32828	(13013119)	448460.48	
3762016.72	72.73935	(15022106)			
448234.63	3761951.18	61.99222	(14090704)	448081.42	
3761952.78	54.72268	(12100123)			
448025.53	3761955.99	51.03634	(16092705)	447506.75	
3761967.63	25.21275	(15020719)			
447269.29	3761967.74	19.38333	(12101403)	447389.46	
3761908.79	21.21046	(13012221)			
447019.14	3761964.34	15.05503	(14031702)	447060.33	
3761963.58	15.83660	(15101024)			
446975.31	3761963.20	14.46350	(12020618)	446940.92	
3761953.76	14.04058	(12020618)			
446865.72	3761974.54	13.26033	(13112804)	446795.06	
3761957.91	12.46383	(13112804)			
446757.65	3761965.85	12.26983	(14011319)	446709.33	
3761967.74	11.83023	(14011319)			
446796.42	3762028.62	12.81006	(13121117)	446796.97	
3762045.28	12.96093	(13121117)			
446796.70	3762089.51	13.06840	(15031523)	446796.15	
3762105.89	13.13110	(14051523)			
446796.70	3762137.29	12.90548	(13121806)	446796.15	
3762153.39	13.10583	(13121806)			
446772.40	3762215.37	12.78972	(14120121)	446795.06	
3762321.03	13.77706	(16021518)			
446796.42	3762450.98	13.06868	(15031001)	446796.42	
3762471.18	13.15461	(16041722)			
446797.24	3762496.03	13.31876	(16041722)	446798.06	
3762516.51	13.31861	(15110319)			
446797.79	3762539.98	13.34580	(14100421)	446797.52	
3762560.19	13.28603	(14100421)			
446798.61	3762584.76	13.70080	(15090905)	446798.06	
3762604.42	13.77942	(15090905)			
446799.70	3762654.11	13.02828	(13022424)	446799.97	
3762674.58	12.89533	(13022424)			
446800.25	3762700.25	13.02697	(15112622)	446800.25	
3762721.27	13.37666	(15032622)			
446799.97	3762735.74	13.46268	(15032622)	446797.79	
3762748.02	13.40018	(15032622)			
446802.16	3762913.47	12.75594	(12101719)	446802.16	
3762932.58	12.36828	(13022024)			
446802.43	3762949.24	12.25324	(16102420)	446802.98	
3762967.26	12.38894	(12020622)			
446802.70	3762986.09	12.58350	(12020622)	446802.16	
3763003.29	12.58360	(12020622)			
446802.16	3763021.86	12.40492	(12020622)	446802.70	
3763040.70	12.17563	(16112103)			
446802.98	3763059.26	12.23775	(16112103)	446803.52	
3763077.01	12.12688	(16112103)			
446756.29	3763085.26	11.71493	(16112103)	446807.68	
3763646.39	16.01349	(12092322)			
446808.32	3763674.66	15.72368	(14091521)	446807.68	
3763694.57	15.66988	(14091521)			
446808.32	3763710.63	15.65790	(16102419)	446808.32	
3763726.37	15.65517	(16102419)			
446808.00	3763742.11	15.44751	(16102419)	446808.32	
3763756.89	15.24627	(16122219)			

446808.64	3763798.32	15.81830	(14091620)	446810.25
3764484.08	17.75934	(15063002)		
446781.34	3764475.08	17.84097	(15063002)	446722.56
3764455.81	17.30702	(13062901)		
446170.32	3764559.79	14.71946	(16072901)	446872.29
3763190.26	13.57215	(14051202)		
446925.22	3763179.19	14.38117	(14051202)	446984.86
3763194.88	14.75126	(13092722)		
447010.56	3763193.28	15.61430	(13092722)	447036.58
3763193.60	15.75190	(13092722)		
447053.61	3763193.28	15.84247	(13092722)	447076.42
3763192.31	16.24260	(13122901)		
447093.45	3763192.63	17.09101	(16110920)	447122.05
3763192.63	17.37486	(16110920)		
447138.75	3763192.31	17.51939	(16110920)	447167.99
3763192.31	17.65909	(16110920)		
447170.68	3763172.18	17.38981	(16110920)	447170.41
3763158.25	16.89151	(16110920)		
447169.31	3763144.87	16.63501	(14030122)	447147.46
3763107.45	17.75676	(13092722)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 327

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 6BSPILL ***
INCLUDING SOURCE(S): 6BSPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	17.31121	(13092722)	447146.92	
3763064.30	17.01125	(14051202)			
447149.92	3763038.90	16.29622	(14051202)	447148.56	
3763019.78	16.84214	(15120517)			
447148.56	3762997.39	17.09391	(15120517)	447206.08	
3762958.49	18.26038	(16102407)			
447209.33	3762922.51	18.49522	(14022724)	447208.40	
3762890.70	18.59523	(16112103)			
447145.83	3762888.87	17.77859	(12020622)	447122.55	
3762889.07	17.37562	(12020622)			
447094.33	3762890.05	16.82829	(12020622)	447071.04	
3762890.45	16.33849	(12020622)			
447043.61	3762889.66	15.70041	(12020622)	447017.76	
3762888.87	15.16116	(16102420)			
446992.11	3762889.07	14.69181	(16102420)	446964.28	
3762888.28	14.34006	(13022024)			
446940.41	3762888.47	14.13384	(13022024)	446911.20	
3762888.08	13.96522	(12101719)			
446885.35	3762889.66	13.77820	(12101719)	446862.07	
3762888.87	13.63760	(12101719)			
446871.45	3762779.57	13.93500	(15040323)	446926.31	
3762768.72	14.67414	(15040323)			
446983.74	3762774.24	14.96961	(16092423)	447009.00	
3762774.05	15.50370	(16122321)			
447030.51	3762774.44	15.97018	(16122321)	447055.37	

3762774.05	16.48632	(16122321)		
447076.88	3762774.24	16.93066	(16122321)	447101.16
3762774.44	17.41439	(16122321)		
447123.85	3762774.05	17.96654	(12101719)	447148.12
3762775.03	18.60626	(12101719)		
447170.23	3762774.84	19.15125	(12101719)	447196.78
3762775.48	19.77869	(12101719)		
447242.12	3762776.57	20.71054	(12101719)	447262.33
3762776.03	21.09087	(12101719)		
447294.56	3762776.30	21.57122	(12101719)	447313.13
3762775.48	21.84516	(12101719)		
447313.40	3762749.53	22.87479	(12101719)	447327.86
3762713.09	22.95338	(16122321)		
447327.36	3762679.87	23.45212	(15040323)	447327.74
3762657.02	23.82153	(15032622)		
447327.28	3762636.82	23.90521	(15032622)	447327.51
3762612.90	23.05661	(15112622)		
447327.28	3762592.24	23.20227	(13022424)	447327.04
3762569.71	24.30121	(15090905)		
447327.28	3762547.89	24.53907	(15090905)	447326.58
3762524.67	23.78530	(14100421)		
447326.58	3762506.09	23.70189	(15110319)	447327.51
3762477.53	23.76260	(16041722)		
447325.88	3762454.31	23.30324	(15031001)	447225.58
3762432.95	20.81431	(15031521)		
447200.27	3762430.63	20.24281	(15031521)	447156.85
3762430.16	19.18047	(15031521)		
447131.77	3762430.86	18.56965	(15031521)	447102.74
3762430.63	17.93851	(15031521)		
447079.06	3762430.86	17.43145	(15031521)	447034.94
3762433.65	16.52797	(12020719)		
446995.47	3762433.65	15.84737	(12020719)	446972.71
3762434.34	15.46520	(12020719)		
446941.37	3762434.58	14.97538	(12020719)	446916.06
3762436.90	14.55899	(12020719)		
446876.35	3762436.90	13.99982	(12020719)	446848.85
3762647.05	13.62403	(13022424)		
446848.85	3762563.17	13.99906	(15090905)	446849.17
3762509.82	13.93245	(15110319)		
446849.17	3762455.82	13.75312	(15031001)	446848.85
3762702.00	13.80264	(15032622)		
446849.49	3762754.71	13.95366	(15040323)	446739.81
3762428.53	12.44856	(12020719)		
446711.81	3762423.61	12.19934	(12020719)	446687.25
3762416.25	12.02583	(15031521)		
446662.20	3762412.32	11.84324	(15031521)	446636.17
3762403.97	11.72581	(15031521)		
449981.72	3762732.45	12.92847	(12100120)	446486.82
3762231.95	10.69173	(14011518)		
446261.97	3762068.01	8.71607	(13121806)	446443.15
3762291.63	10.39198	(16021518)		
446071.80	3762055.49	7.79421	(14120121)	446072.08
3761983.13	7.52153	(13121806)		
446138.18	3762002.17	7.89406	(13121806)	445884.94
3762039.75	6.98074	(14120121)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 328

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8BREAT ***
INCLUDING SOURCE(S): 8BREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	14.41945	(13090423)	447375.98	
3764150.98	15.14408	(13070222)			
447389.75	3764043.04	15.24628	(13090723)	447450.16	
3764031.05	15.39453	(15082523)			
447410.18	3764019.05	15.39502	(13090723)	446891.90	
3764451.22	11.77167	(15092403)			
446959.28	3764451.22	12.21366	(14081603)	446995.28	
3764468.13	12.31209	(14081603)			
447007.41	3764467.30	12.41526	(12092724)	447023.51	
3764466.09	12.48891	(12092724)			
447036.59	3764466.21	12.50329	(12092724)	447052.68	
3764465.61	12.58944	(12083005)			
447066.60	3764465.73	12.69849	(12083005)	447099.65	
3764456.17	12.82351	(12083005)			
447145.28	3764468.27	12.89602	(13090723)	447175.54	
3764468.03	12.88788	(13090723)			
447205.32	3764468.27	12.88064	(13070222)	447232.43	
3764467.55	13.22016	(13070222)			
447264.02	3764467.30	13.62201	(13090423)	447294.77	
3764466.94	14.16947	(15092601)			
447364.97	3764456.41	14.31214	(14083005)	447406.61	
3764460.65	14.11732	(16072504)			
447441.47	3764460.04	14.48753	(15092502)	447466.88	
3764460.20	14.49535	(15092502)			
447490.00	3764460.56	14.31694	(12080704)	447515.50	
3764460.40	14.50005	(12080704)			
447573.06	3764454.29	14.19052	(12080704)	447598.49	
3764445.22	14.46538	(16072603)			
447652.90	3764439.70	15.22497	(14022020)	447692.92	
3764439.51	15.49610	(12081001)			
447713.82	3764439.11	15.60228	(12081001)	447731.95	
3764438.72	15.59602	(12081001)			
447751.07	3764438.72	15.68639	(12081604)	447768.82	
3764437.53	15.71424	(12081604)			
447789.12	3764437.73	15.87976	(13091705)	447805.68	
3764437.34	16.05082	(16062701)			
447824.02	3764437.20	16.22611	(16062701)	447841.61	
3764437.87	16.20862	(16062701)			
447861.72	3764437.53	16.15632	(12071001)	447881.66	
3764435.18	16.14811	(12071001)			
447902.78	3764436.19	16.26803	(15080504)	447920.87	
3764435.35	16.32779	(12092102)			
447942.16	3764435.35	16.46878	(12092102)	447962.77	
3764434.85	16.41636	(12092102)			
447980.70	3764435.18	16.25645	(16062804)	448004.66	
3764435.18	16.11018	(12051402)			
448021.25	3764434.68	15.96846	(12081106)	447662.70	
3764379.63	16.03643	(16072603)			
447681.30	3764320.98	16.58938	(16072603)	447682.64	
3764285.79	16.53569	(16072603)			
447662.53	3764238.37	16.16476	(16072603)	447661.70	
3764207.37	16.11165	(12080704)			
447683.14	3764162.29	15.94968	(12080704)	447680.97	
3764145.87	15.95474	(12080704)			
447679.63	3764130.28	15.90228	(12080704)	447680.80	
3764112.02	15.84439	(12080704)			

3762045.28	7.52990	(14120121)		
446796.70	3762089.51	7.60100	(14011518)	446796.15
3762105.89	7.69842	(14011518)		
446796.70	3762137.29	7.80616	(14011518)	446796.15
3762153.39	7.80870	(14011518)		
446772.40	3762215.37	7.68279	(16021518)	446795.06
3762321.03	7.50252	(16041722)		
446796.42	3762450.98	7.83464	(15090905)	446796.42
3762471.18	7.84250	(15090905)		
446797.24	3762496.03	7.78700	(15090905)	446798.06
3762516.51	7.68396	(15090905)		
446797.79	3762539.98	7.49853	(15090905)	446797.52
3762560.19	7.56874	(15032622)		
446798.61	3762584.76	7.64521	(15032622)	446798.06
3762604.42	7.64450	(15032622)		
446799.70	3762654.11	7.52924	(15040323)	446799.97
3762674.58	7.43371	(15040323)		
446800.25	3762700.25	7.37338	(12101719)	446800.25
3762721.27	7.42352	(12101719)		
446799.97	3762735.74	7.42805	(12101719)	446797.79
3762748.02	7.40188	(12101719)		
446802.16	3762913.47	6.96127	(16112103)	446802.16
3762932.58	6.92743	(16112103)		
446802.43	3762949.24	6.87341	(16112103)	446802.98
3762967.26	6.85562	(16102407)		
446802.70	3762986.09	6.84964	(15120517)	446802.16
3763003.29	6.84408	(15120517)		
446802.16	3763021.86	6.81472	(15120517)	446802.70
3763040.70	6.75939	(15120517)		
446802.98	3763059.26	6.67690	(15120517)	446803.52
3763077.01	6.57557	(15120517)		
446756.29	3763085.26	6.38340	(15120517)	446807.68
3763646.39	12.61731	(14091702)		
446808.32	3763674.66	12.60399	(14091702)	446807.68
3763694.57	12.55353	(14091702)		
446808.32	3763710.63	12.43108	(14091702)	446808.32
3763726.37	12.27499	(14091702)		
446808.00	3763742.11	12.05561	(14091702)	446808.32
3763756.89	11.83434	(12101421)		
446808.64	3763798.32	11.97131	(16072901)	446810.25
3764484.08	11.53487	(12081302)		
446781.34	3764475.08	11.48813	(12081302)	446722.56
3764455.81	11.26941	(12081704)		
446170.32	3764559.79	9.39630	(12010218)	446872.29
3763190.26	12.53066	(16092723)		
446925.22	3763179.19	13.09395	(16111421)	446984.86
3763194.88	13.56256	(15091006)		
447010.56	3763193.28	14.13267	(15091006)	447036.58
3763193.60	14.40777	(15091006)		
447053.61	3763193.28	14.58697	(15091006)	447076.42
3763192.31	14.84035	(15091006)		
447093.45	3763192.63	15.03721	(15091006)	447122.05
3763192.63	15.31775	(16072103)		
447138.75	3763192.31	15.51418	(16072103)	447167.99
3763192.31	15.81042	(16072103)		
447170.68	3763172.18	15.75735	(16072103)	447170.41
3763158.25	15.59416	(16072103)		
447169.31	3763144.87	15.59805	(15091006)	447147.46
3763107.45	16.19149	(15091006)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

09:18:50

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 8BREAT ***
 INCLUDING SOURCE(S): 8BREAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)
447146.64	3763084.24	16.11425	(15091006)	447146.92	
3763064.30	15.87274	(14091421)			
447149.92	3763038.90	15.55291	(16111421)	447148.56	
3763019.78	15.55929	(16092723)			
447148.56	3762997.39	15.29250	(16092723)	447206.08	
3762958.49	9.71497	(13092722)			
447209.33	3762922.51	9.93043	(13092722)	447208.40	
3762890.70	10.02960	(14051202)			
447145.83	3762888.87	9.58662	(15120517)	447122.55	
3762889.07	9.39733	(15120517)			
447094.33	3762890.05	9.15311	(15120517)	447071.04	
3762890.45	8.94634	(15120517)			
447043.61	3762889.66	8.69673	(15120517)	447017.76	
3762888.87	8.45310	(15120517)			
446992.11	3762889.07	8.23677	(16102407)	446964.28	
3762888.28	8.01093	(16112103)			
446940.41	3762888.47	7.86558	(16112103)	446911.20	
3762888.08	7.68359	(16112103)			
446885.35	3762889.66	7.51269	(16112103)	446862.07	
3762888.87	7.36050	(16112103)			
446871.45	3762779.57	7.67542	(12101719)	446926.31	
3762768.72	8.04814	(12101719)			
446983.74	3762774.24	8.53367	(12020622)	447009.00	
3762774.05	8.76710	(12020622)			
447030.51	3762774.44	8.96676	(12020622)	447055.37	
3762774.05	9.19703	(12020622)			
447076.88	3762774.24	9.39313	(12020622)	447101.16	
3762774.44	9.61061	(12020622)			
447123.85	3762774.05	9.81463	(12020622)	447148.12	
3762775.03	10.01643	(12020622)			
447170.23	3762774.84	10.20557	(16112103)	447196.78	
3762775.48	10.50430	(16112103)			
447242.12	3762776.57	10.98991	(16112103)	447262.33	
3762776.03	11.26892	(16102407)			
447294.56	3762776.30	11.75705	(15120517)	447313.13	
3762775.48	12.05272	(15120517)			
447313.40	3762749.53	12.06450	(16102407)	447327.86	
3762713.09	12.54176	(12020622)			
447327.36	3762679.87	12.83362	(12020622)	447327.74	
3762657.02	12.85165	(12020622)			
447327.28	3762636.82	13.04079	(12101719)	447327.51	
3762612.90	13.30446	(12101719)			
447327.28	3762592.24	13.36650	(12101719)	447327.04	
3762569.71	13.25998	(12101719)			
447327.28	3762547.89	13.52041	(15040323)	447326.58	
3762524.67	13.68550	(15032622)			
447326.58	3762506.09	13.76215	(15032622)	447327.51	
3762477.53	13.64324	(15032622)			
447325.88	3762454.31	13.86100	(15090905)	447225.58	
3762432.95	12.36877	(15090905)			
447200.27	3762430.63	11.99080	(15090905)	447156.85	
3762430.16	11.37720	(15090905)			

447131.77	3762430.86	11.04688	(15090905)	447102.74
3762430.63	10.68082	(15090905)		
447079.06	3762430.86	10.39607	(15090905)	447034.94
3762433.65	9.90605	(15090905)		
446995.47	3762433.65	9.49532	(15090905)	446972.71
3762434.34	9.27306	(15090905)		
446941.37	3762434.58	8.98024	(15090905)	446916.06
3762436.90	8.76009	(15090905)		
446876.35	3762436.90	8.42109	(15090905)	446848.85
3762647.05	7.86690	(15040323)		
446848.85	3762563.17	7.97843	(15032622)	446849.17
3762509.82	8.06280	(15090905)		
446849.17	3762455.82	8.23581	(15090905)	446848.85
3762702.00	7.75275	(12101719)		
446849.49	3762754.71	7.70207	(12101719)	446739.81
3762428.53	7.36539	(15090905)		
446711.81	3762423.61	7.15659	(15090905)	446687.25
3762416.25	6.95984	(15090905)		
446662.20	3762412.32	6.79417	(14100421)	446636.17
3762403.97	6.64011	(14100421)		
449981.72	3762732.45	7.10081	(15081321)	446486.82
3762231.95	6.00738	(15031521)		
446261.97	3762068.01	5.14981	(14011518)	446443.15
3762291.63	5.70944	(15031521)		
446071.80	3762055.49	4.55304	(14011518)	446072.08
3761983.13	4.42814	(14011518)		
446138.18	3762002.17	4.65078	(14011518)	445884.94
3762039.75	4.07087	(14011518)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 331

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8LOAD ***
INCLUDING SOURCE(S): 8LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	14.41939	(13090423)	447375.98	
3764150.98	15.14401	(13070222)			
447389.75	3764043.04	15.24622	(13090723)	447450.16	
3764031.05	15.39448	(15082523)			
447410.18	3764019.05	15.39496	(13090723)	446891.90	
3764451.22	11.77161	(15092403)			
446959.28	3764451.22	12.21360	(14081603)	446995.28	
3764468.13	12.31203	(14081603)			
447007.41	3764467.30	12.41520	(12092724)	447023.51	
3764466.09	12.48884	(12092724)			
447036.59	3764466.21	12.50322	(12092724)	447052.68	
3764465.61	12.58937	(12083005)			
447066.60	3764465.73	12.69843	(12083005)	447099.65	
3764456.17	12.82344	(12083005)			
447145.28	3764468.27	12.89595	(13090723)	447175.54	
3764468.03	12.88781	(13090723)			
447205.32	3764468.27	12.88058	(13070222)	447232.43	

3764467.55	13.22009	(13070222)		
447264.02	3764467.30	13.62194	(13090423)	447294.77
3764466.94	14.16938	(15092601)		
447364.97	3764456.41	14.31206	(14083005)	447406.61
3764460.65	14.11724	(16072504)		
447441.47	3764460.04	14.48744	(15092502)	447466.88
3764460.20	14.49527	(15092502)		
447490.00	3764460.56	14.31686	(12080704)	447515.50
3764460.40	14.49997	(12080704)		
447573.06	3764454.29	14.19045	(12080704)	447598.49
3764445.22	14.46531	(16072603)		
447652.90	3764439.70	15.22488	(14022020)	447692.92
3764439.51	15.49601	(12081001)		
447713.82	3764439.11	15.60219	(12081001)	447731.95
3764438.72	15.59593	(12081001)		
447751.07	3764438.72	15.68629	(12081604)	447768.82
3764437.53	15.71415	(12081604)		
447789.12	3764437.73	15.87954	(13091705)	447805.68
3764437.34	16.05072	(16062701)		
447824.02	3764437.20	16.22601	(16062701)	447841.61
3764437.87	16.20852	(16062701)		
447861.72	3764437.53	16.15622	(12071001)	447881.66
3764435.18	16.14801	(12071001)		
447902.78	3764436.19	16.26793	(15080504)	447920.87
3764435.35	16.32769	(12092102)		
447942.16	3764435.35	16.46868	(12092102)	447962.77
3764434.85	16.41626	(12092102)		
447980.70	3764435.18	16.25635	(16062804)	448004.66
3764435.18	16.10991	(12051402)		
448021.25	3764434.68	15.96837	(12081106)	447662.70
3764379.63	16.03633	(16072603)		
447681.30	3764320.98	16.58929	(16072603)	447682.64
3764285.79	16.53560	(16072603)		
447662.53	3764238.37	16.16468	(16072603)	447661.70
3764207.37	16.11157	(12080704)		
447683.14	3764162.29	15.94962	(12080704)	447680.97
3764145.87	15.95468	(12080704)		
447679.63	3764130.28	15.90222	(12080704)	447680.80
3764112.02	15.84433	(12080704)		
447681.47	3764096.43	15.88128	(12080704)	447680.80
3764078.84	15.98159	(12080704)		
447679.96	3764064.26	16.13302	(12080704)	447680.97
3764045.82	16.35379	(12080704)		
447680.63	3764029.74	16.54183	(12080704)	447657.17
3763992.03	16.61619	(12072004)		
447656.33	3763967.06	17.03421	(12072004)	447657.17
3763928.69	17.50746	(12072004)		
447657.17	3763902.21	17.77727	(12072004)	447657.51
3763869.03	18.08894	(15071803)		
447656.16	3763834.94	18.70293	(15071803)	447655.93
3763808.27	19.29173	(13090423)		
447657.09	3763786.00	19.82204	(13090423)	447701.21
3763782.14	19.90066	(15071803)		
447856.92	3763749.71	20.23437	(16072603)	447854.99
3763730.13	20.30257	(16072603)		
447854.35	3763698.35	20.55652	(13062605)	447855.31
3763676.84	20.72072	(13062605)		
447675.51	3763287.46	22.29738	(13082922)	448481.33
3763485.29	28.14603	(12080824)		
448479.95	3763195.53	33.41624	(12090506)	448478.56
3762907.16	31.11796	(15100820)		
448497.89	3762714.10	52.04953	(15082424)	448507.91
3762487.71	151.36946	(16060806)		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 8LOAD *** INCLUDING SOURCE(S): 8LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
448480.49	3762357.96	362.17139	(16121216)	448462.73	
3762339.82	547.59509	(14120316)			
448464.47	3762265.93	266.77282	(14110518)	448461.57	
3762165.17	328.93571	(12121716)			
448472.57	3762064.71	166.14510	(12121716)	448460.48	
3762016.72	84.41983	(12121716)			
448234.63	3761951.18	52.97476	(16091922)	448081.42	
3761952.78	42.60717	(15021220)			
448025.53	3761955.99	38.79468	(12091503)	447506.75	
3761967.63	16.07773	(15101024)			
447269.29	3761967.74	11.82152	(12020618)	447389.46	
3761908.79	13.28232	(15031424)			
447019.14	3761964.34	9.08738	(13121117)	447060.33	
3761963.58	9.42907	(13121117)			
446975.31	3761963.20	8.71852	(13121117)	446940.92	
3761953.76	8.42149	(13121117)			
446865.72	3761974.54	7.94612	(14051523)	446795.06	
3761957.91	7.44501	(14051523)			
446757.65	3761965.85	7.23657	(14051523)	446709.33	
3761967.74	6.94622	(14051523)			
446796.42	3762028.62	7.46571	(14120121)	446796.97	
3762045.28	7.52979	(14120121)			
446796.70	3762089.51	7.60096	(14011518)	446796.15	
3762105.89	7.69838	(14011518)			
446796.70	3762137.29	7.80612	(14011518)	446796.15	
3762153.39	7.80866	(14011518)			
446772.40	3762215.37	7.68274	(16021518)	446795.06	
3762321.03	7.50248	(16041722)			
446796.42	3762450.98	7.83460	(15090905)	446796.42	
3762471.18	7.84246	(15090905)			
446797.24	3762496.03	7.78696	(15090905)	446798.06	
3762516.51	7.68392	(15090905)			
446797.79	3762539.98	7.49850	(15090905)	446797.52	
3762560.19	7.56870	(15032622)			
446798.61	3762584.76	7.64517	(15032622)	446798.06	
3762604.42	7.64446	(15032622)			
446799.70	3762654.11	7.52918	(15040323)	446799.97	
3762674.58	7.43365	(15040323)			
446800.25	3762700.25	7.37335	(12101719)	446800.25	
3762721.27	7.42348	(12101719)			
446799.97	3762735.74	7.42802	(12101719)	446797.79	
3762748.02	7.40184	(12101719)			
446802.16	3762913.47	6.96115	(16112103)	446802.16	
3762932.58	6.92731	(16112103)			
446802.43	3762949.24	6.87329	(16112103)	446802.98	
3762967.26	6.85553	(16102407)			
446802.70	3762986.09	6.84961	(15120517)	446802.16	
3763003.29	6.84404	(15120517)			

446802.16	3763021.86	6.81469	(15120517)	446802.70
3763040.70	6.75936	(15120517)		
446802.98	3763059.26	6.67687	(15120517)	446803.52
3763077.01	6.57554	(15120517)		
446756.29	3763085.26	6.38337	(15120517)	446807.68
3763646.39	12.61729	(14091702)		
446808.32	3763674.66	12.60397	(14091702)	446807.68
3763694.57	12.55351	(14091702)		
446808.32	3763710.63	12.43106	(14091702)	446808.32
3763726.37	12.27497	(14091702)		
446808.00	3763742.11	12.05559	(14091702)	446808.32
3763756.89	11.83431	(12101421)		
446808.64	3763798.32	11.97129	(16072901)	446810.25
3764484.08	11.53481	(12081302)		
446781.34	3764475.08	11.48807	(12081302)	446722.56
3764455.81	11.26935	(12081704)		
446170.32	3764559.79	9.39625	(12010218)	446872.29
3763190.26	12.53069	(16092723)		
446925.22	3763179.19	13.09396	(16111421)	446984.86
3763194.88	13.56256	(15091006)		
447010.56	3763193.28	14.13267	(15091006)	447036.58
3763193.60	14.40777	(15091006)		
447053.61	3763193.28	14.58696	(15091006)	447076.42
3763192.31	14.84034	(15091006)		
447093.45	3763192.63	15.03720	(15091006)	447122.05
3763192.63	15.31777	(16072103)		
447138.75	3763192.31	15.51419	(16072103)	447167.99
3763192.31	15.81044	(16072103)		
447170.68	3763172.18	15.75737	(16072103)	447170.41
3763158.25	15.59418	(16072103)		
447169.31	3763144.87	15.59806	(15091006)	447147.46
3763107.45	16.19149	(15091006)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 333

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8LOAD ***
INCLUDING SOURCE(S): 8LOAD ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	16.11425	(15091006)	447146.92	
3763064.30	15.87279	(14091421)			
447149.92	3763038.90	15.55294	(16111421)	447148.56	
3763019.78	15.55935	(16092723)			
447148.56	3762997.39	15.29257	(16092723)	447206.08	
3762958.49	9.71488	(13092722)			
447209.33	3762922.51	9.93033	(13092722)	447208.40	
3762890.70	10.02943	(14051202)			
447145.83	3762888.87	9.58658	(15120517)	447122.55	
3762889.07	9.39728	(15120517)			
447094.33	3762890.05	9.15306	(15120517)	447071.04	
3762890.45	8.94630	(15120517)			
447043.61	3762889.66	8.69668	(15120517)	447017.76	

3762888.87	8.45306	(15120517)		
446992.11	3762889.07	8.23666	(16102407)	446964.28
3762888.28	8.01079	(16112103)		
446940.41	3762888.47	7.86545	(16112103)	446911.20
3762888.08	7.68345	(16112103)		
446885.35	3762889.66	7.51256	(16112103)	446862.07
3762888.87	7.36038	(16112103)		
446871.45	3762779.57	7.67539	(12101719)	446926.31
3762768.72	8.04811	(12101719)		
446983.74	3762774.24	8.53355	(12020622)	447009.00
3762774.05	8.76698	(12020622)		
447030.51	3762774.44	8.96663	(12020622)	447055.37
3762774.05	9.19689	(12020622)		
447076.88	3762774.24	9.39299	(12020622)	447101.16
3762774.44	9.61047	(12020622)		
447123.85	3762774.05	9.81449	(12020622)	447148.12
3762775.03	10.01629	(12020622)		
447170.23	3762774.84	10.20540	(16112103)	447196.78
3762775.48	10.50412	(16112103)		
447242.12	3762776.57	10.98973	(16112103)	447262.33
3762776.03	11.26876	(16102407)		
447294.56	3762776.30	11.75699	(15120517)	447313.13
3762775.48	12.05266	(15120517)		
447313.40	3762749.53	12.06434	(16102407)	447327.86
3762713.09	12.54158	(12020622)		
447327.36	3762679.87	12.83343	(12020622)	447327.74
3762657.02	12.85146	(12020622)		
447327.28	3762636.82	13.04073	(12101719)	447327.51
3762612.90	13.30440	(12101719)		
447327.28	3762592.24	13.36644	(12101719)	447327.04
3762569.71	13.25993	(12101719)		
447327.28	3762547.89	13.52029	(15040323)	447326.58
3762524.67	13.68543	(15032622)		
447326.58	3762506.09	13.76208	(15032622)	447327.51
3762477.53	13.64318	(15032622)		
447325.88	3762454.31	13.86092	(15090905)	447225.58
3762432.95	12.36870	(15090905)		
447200.27	3762430.63	11.99073	(15090905)	447156.85
3762430.16	11.37714	(15090905)		
447131.77	3762430.86	11.04682	(15090905)	447102.74
3762430.63	10.68077	(15090905)		
447079.06	3762430.86	10.39601	(15090905)	447034.94
3762433.65	9.90599	(15090905)		
446995.47	3762433.65	9.49526	(15090905)	446972.71
3762434.34	9.27301	(15090905)		
446941.37	3762434.58	8.98019	(15090905)	446916.06
3762436.90	8.76004	(15090905)		
446876.35	3762436.90	8.42104	(15090905)	446848.85
3762647.05	7.86683	(15040323)		
446848.85	3762563.17	7.97839	(15032622)	446849.17
3762509.82	8.06276	(15090905)		
446849.17	3762455.82	8.23576	(15090905)	446848.85
3762702.00	7.75271	(12101719)		
446849.49	3762754.71	7.70204	(12101719)	446739.81
3762428.53	7.36535	(15090905)		
446711.81	3762423.61	7.15656	(15090905)	446687.25
3762416.25	6.95981	(15090905)		
446662.20	3762412.32	6.79413	(14100421)	446636.17
3762403.97	6.64007	(14100421)		
449981.72	3762732.45	7.10078	(15081321)	446486.82
3762231.95	6.00735	(15031521)		
446261.97	3762068.01	5.14978	(14011518)	446443.15
3762291.63	5.70941	(15031521)		
446071.80	3762055.49	4.55301	(14011518)	446072.08
3761983.13	4.42812	(14011518)		
446138.18	3762002.17	4.65076	(14011518)	445884.94

PAGE 334

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 8REF *** INCLUDING SOURCE(S): 8REF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
447362.21	3764292.67	18.05696	(15082523)	447375.98	
3764150.98	19.14948	(13090723)			
447389.75	3764043.04	18.50220	(15061924)	447450.16	
3764031.05	18.76583	(15082523)			
447410.18	3764019.05	18.53439	(15061924)	446891.90	
3764451.22	14.86894	(15041824)			
446959.28	3764451.22	15.46201	(13082922)	446995.28	
3764468.13	15.66961	(14081603)			
447007.41	3764467.30	15.75069	(14081603)	447023.51	
3764466.09	15.85971	(16072804)			
447036.59	3764466.21	15.98798	(16072804)	447052.68	
3764465.61	16.09478	(16072804)			
447066.60	3764465.73	16.09772	(16072804)	447099.65	
3764456.17	16.44363	(12083005)			
447145.28	3764468.27	16.43987	(15061924)	447175.54	
3764468.03	16.56097	(13090723)			
447205.32	3764468.27	16.47175	(13090723)	447232.43	
3764467.55	16.91154	(15082523)			
447264.02	3764467.30	17.72866	(13070222)	447294.77	
3764466.94	18.11379	(13090423)			
447364.97	3764456.41	18.39778	(13090423)	447406.61	
3764460.65	18.21086	(14083005)			
447441.47	3764460.04	18.48955	(12072004)	447466.88	
3764460.20	18.82959	(12072004)			
447490.00	3764460.56	18.59884	(12072004)	447515.50	
3764460.40	18.29735	(14080203)			
447573.06	3764454.29	18.30566	(12080704)	447598.49	
3764445.22	18.41916	(13062605)			
447652.90	3764439.70	19.83429	(16072603)	447692.92	
3764439.51	19.91965	(15062904)			
447713.82	3764439.11	20.23312	(12081001)	447731.95	
3764438.72	20.44401	(12081001)			
447751.07	3764438.72	20.32752	(12081604)	447768.82	
3764437.53	20.60472	(12081604)			
447789.12	3764437.73	20.59268	(12081604)	447805.68	
3764437.34	20.79504	(16082102)			
447824.02	3764437.20	20.76790	(16062701)	447841.61	
3764437.87	21.02354	(16062701)			
447861.72	3764437.53	20.89572	(16062701)	447881.66	
3764435.18	21.14481	(12071001)			
447902.78	3764436.19	20.98232	(12071001)	447920.87	
3764435.35	21.17641	(14040923)			
447942.16	3764435.35	21.12844	(12092102)	447962.77	
3764434.85	21.34154	(12092102)			

447980.70	3764435.18	21.13069	(12092102)	448004.66
3764435.18	21.00746	(16062804)		
448021.25	3764434.68	20.77129	(12083006)	447662.70
3764379.63	20.99630	(16072603)		
447681.30	3764320.98	21.66633	(16072603)	447682.64
3764285.79	21.21106	(16072603)		
447662.53	3764238.37	20.64398	(12080704)	447661.70
3764207.37	20.44208	(12080704)		
447683.14	3764162.29	19.89554	(12080704)	447680.97
3764145.87	19.71008	(12080704)		
447679.63	3764130.28	19.43165	(13071601)	447680.80
3764112.02	19.18871	(13071601)		
447681.47	3764096.43	19.10720	(13071601)	447680.80
3764078.84	19.07772	(13071601)		
447679.96	3764064.26	19.32247	(14080203)	447680.97
3764045.82	19.65153	(14080203)		
447680.63	3764029.74	19.93460	(14080203)	447657.17
3763992.03	19.93032	(14122220)		
447656.33	3763967.06	20.28500	(14122220)	447657.17
3763928.69	21.02956	(14082924)		
447657.17	3763902.21	21.77298	(14082924)	447657.51
3763869.03	22.10369	(14082924)		
447656.16	3763834.94	22.84870	(15082605)	447655.93
3763808.27	23.64107	(15082605)		
447657.09	3763786.00	24.18642	(15082605)	447701.21
3763782.14	24.59574	(14082924)		
447856.92	3763749.71	23.82887	(13062605)	447854.99
3763730.13	23.83381	(13062605)		
447854.35	3763698.35	24.15629	(12080801)	447855.31
3763676.84	24.32572	(12080801)		
447675.51	3763287.46	23.84316	(15062722)	448481.33
3763485.29	33.65362	(13082522)		
448479.95	3763195.53	35.92463	(13100204)	448478.56
3762907.16	45.17866	(15100820)		
448497.89	3762714.10	78.20453	(14073101)	448507.91
3762487.71	231.17174	(16060806)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 335

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8REF ***
INCLUDING SOURCE(S): 8REF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	554.94683	(14120316)	448462.73	
3762339.82	707.72139	(14120316)			
448464.47	3762265.93	373.75160	(13083101)	448461.57	
3762165.17	392.06870	(12121716)			
448472.57	3762064.71	122.67774	(12121716)	448460.48	
3762016.72	88.79575	(13013119)			
448234.63	3761951.18	69.83822	(16091922)	448081.42	
3761952.78	56.28463	(15021220)			
448025.53	3761955.99	51.11943	(12091503)	447506.75	

3761967.63	21.98564	(12101403)		
447269.29	3761967.74	16.44539	(12020618)	447389.46
3761908.79	18.30425	(12101403)		
447019.14	3761964.34	12.58765	(15031124)	447060.33
3761963.58	13.12890	(14011319)		
446975.31	3761963.20	12.14822	(13121117)	446940.92
3761953.76	11.74122	(13121117)		
446865.72	3761974.54	11.09821	(15031523)	446795.06
3761957.91	10.41031	(15031523)		
446757.65	3761965.85	10.08969	(14051523)	446709.33
3761967.74	9.72508	(14051523)		
446796.42	3762028.62	10.41168	(13121806)	446796.97
3762045.28	10.48572	(13121806)		
446796.70	3762089.51	10.59771	(14120121)	446796.15
3762105.89	10.47628	(14120121)		
446796.70	3762137.29	10.88670	(14011518)	446796.15
3762153.39	10.96571	(14011518)		
446772.40	3762215.37	10.79977	(16021518)	446795.06
3762321.03	10.38692	(15031521)		
446796.42	3762450.98	10.79060	(15090905)	446796.42
3762471.18	10.96161	(15090905)		
446797.24	3762496.03	10.97249	(15090905)	446798.06
3762516.51	10.80980	(15090905)		
446797.79	3762539.98	10.43330	(15090905)	446797.52
3762560.19	10.29691	(13022424)		
446798.61	3762584.76	10.51360	(15032622)	446798.06
3762604.42	10.68278	(15032622)		
446799.70	3762654.11	10.63413	(15040323)	446799.97
3762674.58	10.52116	(15040323)		
446800.25	3762700.25	10.18690	(15040323)	446800.25
3762721.27	10.27047	(16122321)		
446799.97	3762735.74	10.34954	(12101719)	446797.79
3762748.02	10.40227	(12101719)		
446802.16	3762913.47	9.86544	(12020622)	446802.16
3762932.58	9.75838	(16112103)		
446802.43	3762949.24	9.74589	(16112103)	446802.98
3762967.26	9.66064	(14022724)		
446802.70	3762986.09	9.61748	(14022724)	446802.16
3763003.29	9.60652	(16102407)		
446802.16	3763021.86	9.58862	(15120517)	446802.70
3763040.70	9.59196	(15120517)		
446802.98	3763059.26	9.50916	(15120517)	446803.52
3763077.01	9.35675	(15120517)		
446756.29	3763085.26	9.09397	(15120517)	446807.68
3763646.39	13.71965	(14091702)		
446808.32	3763674.66	14.06342	(14091702)	446807.68
3763694.57	14.21777	(14091702)		
446808.32	3763710.63	14.18315	(14091702)	446808.32
3763726.37	14.06984	(14091702)		
446808.00	3763742.11	13.88079	(12101421)	446808.32
3763756.89	13.80701	(12101421)		
446808.64	3763798.32	13.59603	(12101421)	446810.25
3764484.08	14.73784	(12092221)		
446781.34	3764475.08	14.38850	(12092221)	446722.56
3764455.81	14.26621	(15063002)		
446170.32	3764559.79	11.92691	(16091102)	446872.29
3763190.26	12.73816	(16110920)		
446925.22	3763179.19	13.78888	(16110920)	446984.86
3763194.88	14.18640	(16110920)		
447010.56	3763193.28	14.70487	(16110920)	447036.58
3763193.60	14.93123	(15091006)		
447053.61	3763193.28	15.24591	(15091006)	447076.42
3763192.31	15.70172	(15091006)		
447093.45	3763192.63	16.09502	(15091006)	447122.05
3763192.63	15.81762	(15091006)		
447138.75	3763192.31	15.87829	(14083105)	447167.99

3763192.31	16.09817	(14083105)	
447170.68	3763172.18	15.90548	(14083105) 447170.41
3763158.25	15.72790	(15091006)	
447169.31	3763144.87	15.99852	(15091006) 447147.46
3763107.45	16.75156	(16110920)	

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** *** 09:18:50

PAGE 336

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: 8REF ***
 INCLUDING SOURCE(S): 8REF ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	16.94953	(16110920)	447146.92	
3763064.30	16.65516	(16110920)			
447149.92	3763038.90	15.81962	(16110920)	447148.56	
3763019.78	15.53850	(13092722)			
447148.56	3762997.39	15.24186	(13092722)	447206.08	
3762958.49	13.68697	(13092722)			
447209.33	3762922.51	13.87301	(14051202)	447208.40	
3762890.70	14.22753	(15120517)			
447145.83	3762888.87	13.57332	(15120517)	447122.55	
3762889.07	13.23863	(15120517)			
447094.33	3762890.05	12.79963	(16102407)	447071.04	
3762890.45	12.51316	(16102407)			
447043.61	3762889.66	12.14322	(14022724)	447017.76	
3762888.87	11.87316	(14022724)			
446992.11	3762889.07	11.59668	(16112103)	446964.28	
3762888.28	11.35109	(16112103)			
446940.41	3762888.47	11.11077	(16112103)	446911.20	
3762888.08	10.79181	(16112103)			
446885.35	3762889.66	10.57790	(12020622)	446862.07	
3762888.87	10.45232	(12020622)			
446871.45	3762779.57	10.90330	(12101719)	446926.31	
3762768.72	11.41752	(12101719)			
446983.74	3762774.24	11.68280	(16102420)	447009.00	
3762774.05	12.03830	(12020622)			
447030.51	3762774.44	12.40458	(12020622)	447055.37	
3762774.05	12.81068	(12020622)			
447076.88	3762774.24	13.15675	(12020622)	447101.16	
3762774.44	13.53133	(12020622)			
447123.85	3762774.05	13.86675	(12020622)	447148.12	
3762775.03	14.19459	(12020622)			
447170.23	3762774.84	14.47577	(12020622)	447196.78	
3762775.48	14.76403	(12020622)			
447242.12	3762776.57	15.50220	(16112103)	447262.33	
3762776.03	15.85198	(16112103)			
447294.56	3762776.30	16.39777	(14022724)	447313.13	
3762775.48	16.76174	(14022724)			
447313.40	3762749.53	16.99496	(16112103)	447327.86	
3762713.09	17.74814	(12020622)			
447327.36	3762679.87	17.70521	(12020622)	447327.74	
3762657.02	17.95327	(12101719)			

447327.28	3762636.82	18.46998	(12101719)	447327.51
3762612.90	18.57872	(12101719)		
447327.28	3762592.24	18.26548	(16122321)	447327.04
3762569.71	18.63993	(15040323)		
447327.28	3762547.89	18.93965	(15040323)	447326.58
3762524.67	19.09674	(15032622)		
447326.58	3762506.09	18.84030	(15032622)	447327.51
3762477.53	18.71941	(15090905)		
447325.88	3762454.31	19.42600	(15090905)	447225.58
3762432.95	17.12197	(15090905)		
447200.27	3762430.63	16.54292	(15090905)	447156.85
3762430.16	15.65398	(15090905)		
447131.77	3762430.86	15.18972	(15090905)	447102.74
3762430.63	14.65989	(15090905)		
447079.06	3762430.86	14.25439	(15090905)	447034.94
3762433.65	13.58938	(15090905)		
446995.47	3762433.65	12.99623	(15090905)	446972.71
3762434.34	12.68449	(15090905)		
446941.37	3762434.58	12.26355	(15090905)	446916.06
3762436.90	11.97516	(15090905)		
446876.35	3762436.90	11.48496	(15090905)	446848.85
3762647.05	11.11369	(15040323)		
446848.85	3762563.17	10.80380	(15112622)	446849.17
3762509.82	11.34334	(15090905)		
446849.17	3762455.82	11.41857	(15090905)	446848.85
3762702.00	10.69759	(16122321)		
446849.49	3762754.71	10.92415	(12101719)	446739.81
3762428.53	10.14733	(14100421)		
446711.81	3762423.61	9.89247	(14100421)	446687.25
3762416.25	9.65175	(14100421)		
446662.20	3762412.32	9.45277	(15110319)	446636.17
3762403.97	9.25503	(15110319)		
449981.72	3762732.45	10.20709	(15081321)	446486.82
3762231.95	8.43479	(15031521)		
446261.97	3762068.01	7.22529	(14011518)	446443.15
3762291.63	8.03104	(15031521)		
446071.80	3762055.49	6.42464	(14011518)	446072.08
3761983.13	6.16702	(14120121)		
446138.18	3762002.17	6.39347	(14120121)	445884.94
3762039.75	5.76087	(14011518)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 337

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8SPILL ***
INCLUDING SOURCE(S): 8SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	21.71443	(15082523)	447375.98	
3764150.98	23.06861	(13090723)			
447389.75	3764043.04	22.12133	(15061924)	447450.16	
3764031.05	22.30980	(15082523)			
447410.18	3764019.05	22.09120	(15061924)	446891.90	

3764451.22	18.05086	(15041824)		
446959.28	3764451.22	18.78149	(13082922)	446995.28
3764468.13	18.94561	(14081603)		
447007.41	3764467.30	19.01026	(14081603)	447023.51
3764466.09	19.24467	(16072804)		
447036.59	3764466.21	19.44657	(16072804)	447052.68
3764465.61	19.56850	(16072804)		
447066.60	3764465.73	19.50188	(16072804)	447099.65
3764456.17	19.94247	(12083005)		
447145.28	3764468.27	20.03799	(15061924)	447175.54
3764468.03	20.09977	(13090723)		
447205.32	3764468.27	19.96404	(13090723)	447232.43
3764467.55	20.60598	(15082523)		
447264.02	3764467.30	21.45229	(13070222)	447294.77
3764466.94	21.83235	(13090423)		
447364.97	3764456.41	22.27151	(13090423)	447406.61
3764460.65	22.08056	(16072504)		
447441.47	3764460.04	22.38367	(16072504)	447466.88
3764460.20	22.94052	(12072004)		
447490.00	3764460.56	22.52871	(12072004)	447515.50
3764460.40	22.31501	(14080203)		
447573.06	3764454.29	22.12537	(12080704)	447598.49
3764445.22	22.39272	(13062605)		
447652.90	3764439.70	24.14327	(16072603)	447692.92
3764439.51	24.26118	(15062904)		
447713.82	3764439.11	24.61244	(12081001)	447731.95
3764438.72	24.91135	(12081001)		
447751.07	3764438.72	24.71406	(12081604)	447768.82
3764437.53	25.12698	(12081604)		
447789.12	3764437.73	24.98048	(16082102)	447805.68
3764437.34	25.39762	(16082102)		
447824.02	3764437.20	25.22062	(16082102)	447841.61
3764437.87	25.57695	(16062701)		
447861.72	3764437.53	25.35560	(15032722)	447881.66
3764435.18	25.84809	(15032722)		
447902.78	3764436.19	25.51338	(15032722)	447920.87
3764435.35	25.81301	(14040923)		
447942.16	3764435.35	25.59200	(12092102)	447962.77
3764434.85	25.95381	(12092102)		
447980.70	3764435.18	25.52984	(12092102)	448004.66
3764435.18	25.55697	(16062804)		
448021.25	3764434.68	25.29397	(12083006)	447662.70
3764379.63	25.61619	(16072603)		
447681.30	3764320.98	26.41256	(16072603)	447682.64
3764285.79	25.69849	(16072603)		
447662.53	3764238.37	24.80652	(12080704)	447661.70
3764207.37	24.59706	(12080704)		
447683.14	3764162.29	23.75499	(12080704)	447680.97
3764145.87	23.58485	(13071601)		
447679.63	3764130.28	23.26122	(13071601)	447680.80
3764112.02	22.89049	(13071601)		
447681.47	3764096.43	22.72976	(13071601)	447680.80
3764078.84	22.64784	(14080203)		
447679.96	3764064.26	22.98594	(14080203)	447680.97
3764045.82	23.40174	(14080203)		
447680.63	3764029.74	23.74372	(14080203)	447657.17
3763992.03	23.78099	(12081005)		
447656.33	3763967.06	24.09872	(12081005)	447657.17
3763928.69	24.77700	(14082924)		
447657.17	3763902.21	25.83501	(14082924)	447657.51
3763869.03	26.26210	(14082924)		
447656.16	3763834.94	27.15117	(15082605)	447655.93
3763808.27	28.21129	(15082605)		
447657.09	3763786.00	28.87072	(15082605)	447701.21
3763782.14	29.31129	(14082924)		
447856.92	3763749.71	27.96298	(13062605)	447854.99

3763730.13	27.99743	(12080801)		
447854.35	3763698.35	28.55963	(12080801)	447855.31
3763676.84	28.72201	(12080801)		
447675.51	3763287.46	27.19825	(15062722)	448481.33
3763485.29	39.43758	(13082522)		
448479.95	3763195.53	41.05855	(13100204)	448478.56
3762907.16	56.01781	(15060822)		
448497.89	3762714.10	96.89201	(14073101)	448507.91
3762487.71	278.40584	(16060806)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 338

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8SPILL ***
INCLUDING SOURCE(S): 8SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC (YYMMDDHH)				
448480.49	3762357.96	615.22808	(14120316)	448462.73	
3762339.82	793.46768	(14120316)			
448464.47	3762265.93	457.74244	(13083101)	448461.57	
3762165.17	453.03144	(12121716)			
448472.57	3762064.71	133.32985	(16072302)	448460.48	
3762016.72	110.53479	(13013119)			
448234.63	3761951.18	86.88563	(16091922)	448081.42	
3761952.78	69.97641	(15021220)			
448025.53	3761955.99	63.42106	(16100801)	447506.75	
3761967.63	27.42189	(12101403)			
447269.29	3761967.74	20.54417	(12020618)	447389.46	
3761908.79	22.82734	(12101403)			
447019.14	3761964.34	15.70585	(15031124)	447060.33	
3761963.58	16.38308	(14011319)			
446975.31	3761963.20	15.14171	(13121117)	446940.92	
3761953.76	14.63532	(13121117)			
446865.72	3761974.54	13.87900	(15031523)	446795.06	
3761957.91	13.02004	(15031523)			
446757.65	3761965.85	12.56231	(14051523)	446709.33	
3761967.74	12.12543	(14051523)			
446796.42	3762028.62	12.97752	(13121806)	446796.97	
3762045.28	13.09968	(13121806)			
446796.70	3762089.51	13.19574	(14120121)	446796.15	
3762105.89	12.93871	(14120121)			
446796.70	3762137.29	13.54762	(14011518)	446796.15	
3762153.39	13.69527	(14011518)			
446772.40	3762215.37	13.47374	(16021518)	446795.06	
3762321.03	12.89154	(12020719)			
446796.42	3762450.98	13.28802	(15090905)	446796.42	
3762471.18	13.63917	(15090905)			
446797.24	3762496.03	13.66981	(15090905)	446798.06	
3762516.51	13.35343	(15090905)			
446797.79	3762539.98	12.95298	(13022424)	446797.52	
3762560.19	12.80293	(13022424)			
446798.61	3762584.76	12.95550	(15112622)	446798.06	
3762604.42	13.27718	(15032622)			

446799.70	3762654.11	13.27457	(15040323)	446799.97
3762674.58	13.07584	(15040323)		
446800.25	3762700.25	12.49878	(15030303)	446800.25
3762721.27	12.79121	(16122321)		
446799.97	3762735.74	12.84519	(16122321)	446797.79
3762748.02	12.95902	(12101719)		
446802.16	3762913.47	12.25140	(12020622)	446802.16
3762932.58	12.15791	(16112103)		
446802.43	3762949.24	12.16839	(16112103)	446802.98
3762967.26	12.06226	(14022724)		
446802.70	3762986.09	12.02049	(14022724)	446802.16
3763003.29	11.99478	(16102407)		
446802.16	3763021.86	11.93158	(15120517)	446802.70
3763040.70	11.98148	(15120517)		
446802.98	3763059.26	11.85970	(15120517)	446803.52
3763077.01	11.59573	(15120517)		
446756.29	3763085.26	11.32888	(15120517)	446807.68
3763646.39	15.95151	(16122219)		
446808.32	3763674.66	16.15815	(14091702)	446807.68
3763694.57	16.43586	(14091702)		
446808.32	3763710.63	16.40777	(14091702)	446808.32
3763726.37	16.24229	(14091702)		
446808.00	3763742.11	16.21256	(15082903)	446808.32
3763756.89	16.12951	(15082903)		
446808.64	3763798.32	15.94652	(13112717)	446810.25
3764484.08	17.89402	(12092221)		
446781.34	3764475.08	17.30155	(12092221)	446722.56
3764455.81	17.28346	(15063002)		
446170.32	3764559.79	14.51472	(16091102)	446872.29
3763190.26	14.29624	(14042702)		
446925.22	3763179.19	15.50862	(16110920)	446984.86
3763194.88	15.97571	(16110920)		
447010.56	3763193.28	16.58420	(16110920)	447036.58
3763193.60	16.56512	(13092602)		
447053.61	3763193.28	16.94318	(14092806)	447076.42
3763192.31	17.46567	(14092806)		
447093.45	3763192.63	17.88712	(14092806)	447122.05
3763192.63	17.41508	(14092806)		
447138.75	3763192.31	17.52481	(14083105)	447167.99
3763192.31	17.73515	(14083105)		
447170.68	3763172.18	17.38724	(14083105)	447170.41
3763158.25	17.25031	(16112718)		
447169.31	3763144.87	17.65281	(16112718)	447147.46
3763107.45	18.81447	(16110920)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 339

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: 8SPILL ***
INCLUDING SOURCE(S): 8SPILL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447146.64	3763084.24	19.09748	(16110920)	447146.92	

3763064.30	18.60764	(16110920)		
447149.92	3763038.90	17.25943	(16110920)	447148.56
3763019.78	17.16705	(13092722)		
447148.56	3762997.39	16.71121	(13092722)	447206.08
3762958.49	17.03094	(13092722)		
447209.33	3762922.51	17.25727	(14051202)	447208.40
3762890.70	17.61344	(15120517)		
447145.83	3762888.87	16.94160	(15120517)	447122.55
3762889.07	16.49748	(15120517)		
447094.33	3762890.05	15.98086	(16102407)	447071.04
3762890.45	15.61528	(16102407)		
447043.61	3762889.66	15.16672	(14022724)	447017.76
3762888.87	14.83458	(14022724)		
446992.11	3762889.07	14.44917	(16112103)	446964.28
3762888.28	14.16735	(16112103)		
446940.41	3762888.47	13.86174	(16112103)	446911.20
3762888.08	13.42811	(16112103)		
446885.35	3762889.66	13.09519	(12020622)	446862.07
3762888.87	12.99662	(12020622)		
446871.45	3762779.57	13.51330	(12101719)	446926.31
3762768.72	14.10637	(12101719)		
446983.74	3762774.24	14.45890	(16102420)	447009.00
3762774.05	14.92769	(16102420)		
447030.51	3762774.44	15.30705	(16102420)	447055.37
3762774.05	15.87784	(12020622)		
447076.88	3762774.24	16.36386	(12020622)	447101.16
3762774.44	16.87275	(12020622)		
447123.85	3762774.05	17.30719	(12020622)	447148.12
3762775.03	17.70553	(12020622)		
447170.23	3762774.84	18.01963	(12020622)	447196.78
3762775.48	18.28865	(12020622)		
447242.12	3762776.57	19.33107	(16112103)	447262.33
3762776.03	19.76494	(16112103)		
447294.56	3762776.30	20.46820	(14022724)	447313.13
3762775.48	20.92771	(14022724)		
447313.40	3762749.53	21.18752	(16112103)	447327.86
3762713.09	22.12180	(12020622)		
447327.36	3762679.87	21.85575	(12020622)	447327.74
3762657.02	22.09882	(12101719)		
447327.28	3762636.82	23.03382	(12101719)	447327.51
3762612.90	23.13127	(12101719)		
447327.28	3762592.24	22.69386	(16122321)	447327.04
3762569.71	23.09210	(15040323)		
447327.28	3762547.89	23.60463	(15040323)	447326.58
3762524.67	23.77779	(15032622)		
447326.58	3762506.09	23.20717	(15032622)	447327.51
3762477.53	23.05755	(13022424)		
447325.88	3762454.31	24.09917	(15090905)	447225.58
3762432.95	21.24670	(15090905)		
447200.27	3762430.63	20.48088	(15090905)	447156.85
3762430.16	19.33532	(15090905)		
447131.77	3762430.86	18.74778	(15090905)	447102.74
3762430.63	18.06343	(15090905)		
447079.06	3762430.86	17.54475	(15090905)	447034.94
3762433.65	16.72357	(15090905)		
446995.47	3762433.65	15.96364	(14100421)	446972.71
3762434.34	15.60896	(14100421)		
446941.37	3762434.58	15.15077	(14100421)	446916.06
3762436.90	14.77312	(14100421)		
446876.35	3762436.90	14.24708	(14100421)	446848.85
3762647.05	13.87029	(15040323)		
446848.85	3762563.17	13.39404	(15112622)	446849.17
3762509.82	14.02420	(15090905)		
446849.17	3762455.82	14.13825	(15090905)	446848.85
3762702.00	13.28068	(16122321)		
446849.49	3762754.71	13.66233	(12101719)	446739.81

3762428.53	12.63291	(14100421)		
446711.81	3762423.61	12.30324	(14100421)	446687.25
3762416.25	12.02771	(15110319)		
446662.20	3762412.32	11.80066	(15110319)	446636.17
3762403.97	11.55283	(15110319)		
449981.72	3762732.45	12.70927	(15081321)	446486.82
3762231.95	10.51790	(15031521)		
446261.97	3762068.01	8.99963	(14011518)	446443.15
3762291.63	9.89758	(15031521)		
446071.80	3762055.49	8.02605	(14011518)	446072.08
3761983.13	7.64356	(14120121)		
446138.18	3762002.17	7.89071	(14120121)	445884.94
3762039.75	7.20374	(14011518)		

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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***
*** 09:18:50

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PAGE 340

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000119 , L0000120 ,
L0000121 , L0000122 , L0000123 ,
L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
L0000129 , L0000130 , L0000131 ,
L0000132 , L0000133 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 ,
L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
447362.21	3764292.67	346.30631	(16062805)	447375.98	
3764150.98	371.39311	(16062805)			
447389.75	3764043.04	364.61737	(16062805)	447450.16	
3764031.05	351.77961	(16081402)			
447410.18	3764019.05	361.75011	(16062805)	446891.90	
3764451.22	305.88976	(16072603)			
446959.28	3764451.22	315.51842	(12081001)	446995.28	
3764468.13	317.56394	(12081604)			
447007.41	3764467.30	320.09923	(12081604)	447023.51	
3764466.09	319.49229	(12081604)			
447036.59	3764466.21	319.98288	(16082102)	447052.68	
3764465.61	320.89988	(16082102)			
447066.60	3764465.73	321.89114	(16062701)	447099.65	
3764456.17	328.85716	(15032722)			
447145.28	3764468.27	325.26574	(14040923)	447175.54	
3764468.03	319.45754	(12092102)			
447205.32	3764468.27	314.66727	(12080203)	447232.43	
3764467.55	324.41674	(12083006)			
447264.02	3764467.30	334.63880	(12083006)	447294.77	
3764466.94	340.32895	(12081106)			
447364.97	3764456.41	330.81973	(15062301)	447406.61	
3764460.65	327.50659	(13090206)			
447441.47	3764460.04	325.57920	(13090206)	447466.88	
3764460.20	323.78315	(15083004)			
447490.00	3764460.56	314.88856	(15083004)	447515.50	

3764460.40	307.12831	(12083004)		
447573.06	3764454.29	306.03294	(12082822)	447598.49
3764445.22	304.30935	(12102719)		
447652.90	3764439.70	308.14623	(12080905)	447692.92
3764439.51	303.99783	(12080905)		
447713.82	3764439.11	297.26384	(15092701)	447731.95
3764438.72	300.43189	(15092701)		
447751.07	3764438.72	299.48705	(15092701)	447768.82
3764437.53	300.26556	(12080824)		
447789.12	3764437.73	299.87205	(12080824)	447805.68
3764437.34	295.89355	(12090802)		
447824.02	3764437.20	294.68568	(12090802)	447841.61
3764437.87	293.72286	(16062701)		
447861.72	3764437.53	293.31209	(12071001)	447881.66
3764435.18	294.01464	(12071001)		
447902.78	3764436.19	295.78527	(15080504)	447920.87
3764435.35	296.21155	(15080504)		
447942.16	3764435.35	299.94087	(12092102)	447962.77
3764434.85	299.83987	(12092102)		
447980.70	3764435.18	298.41362	(16062804)	448004.66
3764435.18	296.16260	(16062804)		
448021.25	3764434.68	293.23298	(12083006)	447662.70
3764379.63	324.11125	(12080905)		
447681.30	3764320.98	331.05329	(12080905)	447682.64
3764285.79	328.87646	(12080905)		
447662.53	3764238.37	331.48770	(12080905)	447661.70
3764207.37	329.10532	(12080905)		
447683.14	3764162.29	319.72487	(12080905)	447680.97
3764145.87	319.08619	(14082624)		
447679.63	3764130.28	314.11326	(14082624)	447680.80
3764112.02	311.24271	(14082624)		
447681.47	3764096.43	311.17216	(14082624)	447680.80
3764078.84	312.94386	(14082624)		
447679.96	3764064.26	316.57538	(14082624)	447680.97
3764045.82	321.15383	(14082624)		
447680.63	3764029.74	326.20328	(14082624)	447657.17
3763992.03	339.36103	(14082624)		
447656.33	3763967.06	348.86171	(14082624)	447657.17
3763928.69	361.53343	(14082624)		
447657.17	3763902.21	370.91430	(14082624)	447657.51
3763869.03	377.36159	(14082624)		
447656.16	3763834.94	390.93204	(14082624)	447655.93
3763808.27	403.61634	(14082624)		
447657.09	3763786.00	414.62125	(14082624)	447701.21
3763782.14	411.24471	(12080824)		
447856.92	3763749.71	362.25497	(16072603)	447854.99
3763730.13	365.05742	(15101706)		
447854.35	3763698.35	370.35217	(15101706)	447855.31
3763676.84	373.82512	(16072903)		
447675.51	3763287.46	576.75555	(13082522)	448481.33
3763485.29	547.50311	(13082522)		
448479.95	3763195.53	577.78035	(14080321)	448478.56
3762907.16	658.01649	(15100820)		
448497.89	3762714.10	887.36002	(15073002)	448507.91
3762487.71	1499.26907	(16091022)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 341

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000119 , L0000120 ,

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L0000121 , L0000122 , L0000123 ,
L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
L0000129 , L0000130 , L0000131 ,
L0000132 , L0000133 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 ,
L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
448480.49	3762357.96	2056.60227	(14120316)	448462.73	
3762339.82	2828.56212	(14120316)			
448464.47	3762265.93	1720.01190	(12080622)	448461.57	
3762165.17	2524.73130	(14120316)			
448472.57	3762064.71	1240.24656	(13042022)	448460.48	
3762016.72	1914.79209	(12121716)			
448234.63	3761951.18	870.08378	(15090901)	448081.42	
3761952.78	511.93262	(15090902)			
448025.53	3761955.99	460.30026	(13090706)	447506.75	
3761967.63	617.19706	(15092103)			
447269.29	3761967.74	444.15088	(13121720)	447389.46	
3761908.79	479.54718	(15090901)			
447019.14	3761964.34	327.68294	(15101221)	447060.33	
3761963.58	481.66249	(12121716)			
446975.31	3761963.20	318.08510	(15072005)	446940.92	
3761953.76	321.00985	(13093021)			
446865.72	3761974.54	350.06838	(14091523)	446795.06	
3761957.91	327.59433	(12102004)			
446757.65	3761965.85	338.53809	(16091922)	446709.33	
3761967.74	335.25830	(13083002)			
446796.42	3762028.62	430.14664	(14090704)	446796.97	
3762045.28	460.12624	(14090704)			
446796.70	3762089.51	566.66475	(16091922)	446796.15	
3762105.89	617.34129	(16091922)			
446796.70	3762137.29	742.84972	(15090901)	446796.15	
3762153.39	813.74032	(15090901)			
446772.40	3762215.37	1108.88481	(16102021)	446795.06	
3762321.03	2958.28591	(15031523)			
446796.42	3762450.98	1434.36397	(12101117)	446796.42	
3762471.18	1124.17983	(12101117)			
446797.24	3762496.03	931.84846	(14091520)	446798.06	
3762516.51	817.94025	(15072002)			
446797.79	3762539.98	688.90375	(16022318)	446797.52	
3762560.19	610.68391	(15090204)			
446798.61	3762584.76	536.48058	(12030418)	446798.06	
3762604.42	494.53513	(12030418)			
446799.70	3762654.11	400.42291	(12030418)	446799.97	
3762674.58	474.81297	(13082623)			
446800.25	3762700.25	458.88388	(16072824)	446800.25	
3762721.27	434.87698	(12081523)			
446799.97	3762735.74	416.11361	(12081523)	446797.79	
3762748.02	401.32863	(12081523)			
446802.16	3762913.47	311.51057	(13092722)	446802.16	
3762932.58	307.27643	(16110920)			
446802.43	3762949.24	303.95932	(16110920)	446802.98	
3762967.26	299.34603	(16110920)			
446802.70	3762986.09	293.87506	(16110920)	446802.16	
3763003.29	289.16680	(16110920)			
446802.16	3763021.86	284.68380	(16110920)	446802.70	

3763040.70	284.68036	(14091521)		
446802.98	3763059.26	304.04756	(14091521)	446803.52
3763077.01	303.95427	(14091521)		
446756.29	3763085.26	259.96417	(16110920)	446807.68
3763646.39	312.94130	(13082922)		
446808.32	3763674.66	309.19121	(16072804)	446807.68
3763694.57	307.74539	(16072804)		
446808.32	3763710.63	304.92661	(16072804)	446808.32
3763726.37	302.22335	(16072804)		
446808.00	3763742.11	299.78586	(15061924)	446808.32
3763756.89	299.06899	(15061924)		
446808.64	3763798.32	300.73793	(15061924)	446810.25
3764484.08	294.42372	(12080704)		
446781.34	3764475.08	287.47650	(12080704)	446722.56
3764455.81	279.71882	(12072004)		
446170.32	3764559.79	237.31017	(12010218)	446872.29
3763190.26	357.47887	(15082702)		
446925.22	3763179.19	378.85367	(15120720)	446984.86
3763194.88	395.80188	(16092823)		
447010.56	3763193.28	415.95616	(16060105)	447036.58
3763193.60	433.91018	(13082922)		
447053.61	3763193.28	452.96112	(13082922)	447076.42
3763192.31	474.61666	(13082922)		
447093.45	3763192.63	489.34889	(13082922)	447122.05
3763192.63	501.87516	(15061924)		
447138.75	3763192.31	517.21457	(15061924)	447167.99
3763192.31	549.35328	(15082523)		
447170.68	3763172.18	545.69769	(15082523)	447170.41
3763158.25	540.77404	(15080424)		
447169.31	3763144.87	543.06910	(15080424)	447147.46
3763107.45	541.27839	(13082922)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 342

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000119 , L0000120 ,
L0000121 , L0000122 , L0000123 ,
L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
L0000129 , L0000130 , L0000131 ,
L0000132 , L0000133 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 ,
L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			

447146.64	3763084.24	548.44899	(13082922)	447146.92	
3763064.30	542.54686	(13082922)			
447149.92	3763038.90	525.60693	(13082922)	447148.56	
3763019.78	516.46560	(13052304)			
447148.56	3762997.39	518.10326	(16092823)	447206.08	
3762958.49	560.64366	(12071303)			
447209.33	3762922.51	526.34333	(15062722)	447208.40	

3762890.70	523.74696	(15062722)		
447145.83	3762888.87	452.84470	(14100721)	447122.55
3762889.07	442.90379	(14100721)		
447094.33	3762890.05	426.24062	(14091620)	447071.04
3762890.45	417.47623	(14091620)		
447043.61	3762889.66	403.19389	(14091620)	447017.76
3762888.87	391.62071	(14091521)		
446992.11	3762889.07	379.46328	(14091521)	446964.28
3762888.28	365.20031	(16110920)		
446940.41	3762888.47	360.54002	(16110920)	446911.20
3762888.08	351.14356	(16110920)		
446885.35	3762889.66	343.74097	(16110920)	446862.07
3762888.87	336.56414	(16110920)		
446871.45	3762779.57	380.79480	(15082606)	446926.31
3762768.72	398.20199	(14040721)		
446983.74	3762774.24	418.54867	(14040721)	447009.00
3762774.05	426.38772	(14040721)		
447030.51	3762774.44	435.00666	(16110920)	447055.37
3762774.05	448.09536	(16110920)		
447076.88	3762774.24	459.26220	(16110920)	447101.16
3762774.44	470.77237	(16110920)		
447123.85	3762774.05	483.30883	(14091521)	447148.12
3762775.03	508.34203	(14091521)		
447170.23	3762774.84	527.23247	(14091521)	447196.78
3762775.48	553.38920	(14091620)		
447242.12	3762776.57	603.26562	(14100721)	447262.33
3762776.03	624.99780	(15092021)		
447294.56	3762776.30	699.65546	(15060921)	447313.13
3762775.48	749.11486	(15062722)		
447313.40	3762749.53	764.83038	(15060921)	447327.86
3762713.09	817.35644	(15092021)		
447327.36	3762679.87	826.73601	(14091521)	447327.74
3762657.02	848.62287	(14091521)		
447327.28	3762636.82	841.88385	(14091521)	447327.51
3762612.90	862.36320	(16110920)		
447327.28	3762592.24	874.55150	(14040721)	447327.04
3762569.71	883.82926	(14120205)		
447327.28	3762547.89	923.61895	(16102420)	447326.58
3762524.67	945.62176	(13112618)		
447326.58	3762506.09	967.07414	(15032622)	447327.51
3762477.53	1000.53212	(15090905)		
447325.88	3762454.31	978.20403	(14100421)	447225.58
3762432.95	773.26865	(14100421)		
447200.27	3762430.63	743.80064	(14100421)	447156.85
3762430.16	698.37612	(14100421)		
447131.77	3762430.86	675.74462	(14100421)	447102.74
3762430.63	684.22484	(16072623)		
447079.06	3762430.86	753.93201	(14090822)	447034.94
3762433.65	920.53038	(13082622)		
446995.47	3762433.65	1215.46718	(16082707)	446972.71
3762434.34	1618.42660	(16082707)		
446941.37	3762434.58	1824.84523	(14041207)	446916.06
3762436.90	2302.30407	(14090307)		
446876.35	3762436.90	2097.74580	(15011116)	446848.85
3762647.05	440.86616	(15101219)		
446848.85	3762563.17	657.54692	(15101219)	446849.17
3762509.82	951.66757	(16092019)		
446849.17	3762455.82	1569.11307	(16092019)	446848.85
3762702.00	468.92000	(13090301)		
446849.49	3762754.71	410.71055	(13090301)	446739.81
3762428.53	1063.55975	(16112718)		
446711.81	3762423.61	910.33813	(13092722)	446687.25
3762416.25	812.47192	(16112103)		
446662.20	3762412.32	739.87541	(12101719)	446636.17
3762403.97	715.71892	(15032622)		
449981.72	3762732.45	197.08214	(15082923)	446486.82

3762231.95	508.90510	(14051523)		
446261.97	3762068.01	293.27543	(14051602)	446443.15
3762291.63	555.74382	(16021518)		
446071.80	3762055.49	291.69125	(14051523)	446072.08
3761983.13	258.53290	(14051602)		
446138.18	3762002.17	260.20644	(14051602)	445884.94
3762039.75	253.34836	(14051523)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 343

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

NETWORK

GROUP ID ZFLAG)	OF TYPE	GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL,
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10BBREAT 221.96,	1ST HIGHEST VALUE IS 0.00) DC		94.22986 AT (448461.57, 3762165.17, 221.96,
	2ND HIGHEST VALUE IS 223.32, 0.00) DC		45.71238 AT (	448464.47, 3762265.93, 223.32,
	3RD HIGHEST VALUE IS 220.00, 0.00) DC		22.65545 AT (	448472.57, 3762064.71, 220.00,
	4TH HIGHEST VALUE IS 224.57, 0.00) DC		17.49800 AT (	448462.73, 3762339.82, 224.57,
	5TH HIGHEST VALUE IS 219.38, 0.00) DC		16.50652 AT (	448460.48, 3762016.72, 219.38,
	6TH HIGHEST VALUE IS 224.76, 0.00) DC		14.60379 AT (	448480.49, 3762357.96, 224.76,
	7TH HIGHEST VALUE IS 220.00, 0.00) DC		12.83109 AT (	448234.63, 3761951.18, 220.00,
	8TH HIGHEST VALUE IS 220.91, 0.00) DC		6.97910 AT (	448081.42, 3761952.78, 220.91,
	9TH HIGHEST VALUE IS 225.77, 0.00) DC		5.84954 AT (	448507.91, 3762487.71, 225.77,
	10TH HIGHEST VALUE IS 221.00, 0.00) DC		5.45488 AT (	448025.53, 3761955.99, 221.00,

10BLOAD 221.96,	1ST HIGHEST VALUE IS 0.00) DC		94.23073 AT (	448461.57, 3762165.17, 221.96,
	2ND HIGHEST VALUE IS 223.32, 0.00) DC		45.71358 AT (	448464.47, 3762265.93, 223.32,
	3RD HIGHEST VALUE IS 220.00, 0.00) DC		22.65580 AT (	448472.57, 3762064.71, 220.00,
	4TH HIGHEST VALUE IS 224.57, 0.00) DC		17.49869 AT (	448462.73, 3762339.82, 224.57,
	5TH HIGHEST VALUE IS 219.38, 0.00) DC		16.50673 AT (	448460.48, 3762016.72, 219.38,
	6TH HIGHEST VALUE IS 224.76, 0.00) DC		14.60435 AT (	448480.49, 3762357.96, 224.76,
	7TH HIGHEST VALUE IS 220.00, 0.00) DC		12.83118 AT (	448234.63, 3761951.18, 220.00,
	8TH HIGHEST VALUE IS 220.91, 0.00) DC		6.97915 AT (	448081.42, 3761952.78, 220.91,

9TH HIGHEST VALUE IS 5.84973 AT (448507.91, 3762487.71, 225.77,
225.77, 0.00) DC
10TH HIGHEST VALUE IS 5.45492 AT (448025.53, 3761955.99, 221.00,
221.00, 0.00) DC

10BREF 1ST HIGHEST VALUE IS 95.17196 AT (448461.57, 3762165.17, 221.96,
221.96, 0.00) DC
2ND HIGHEST VALUE IS 57.08310 AT (448464.47, 3762265.93, 223.32,
223.32, 0.00) DC
3RD HIGHEST VALUE IS 22.14309 AT (448472.57, 3762064.71, 220.00,
220.00, 0.00) DC
4TH HIGHEST VALUE IS 19.40695 AT (448462.73, 3762339.82, 224.57,
224.57, 0.00) DC
5TH HIGHEST VALUE IS 16.05656 AT (448460.48, 3762016.72, 219.38,
219.38, 0.00) DC
6TH HIGHEST VALUE IS 15.91044 AT (448480.49, 3762357.96, 224.76,
224.76, 0.00) DC
7TH HIGHEST VALUE IS 11.75389 AT (448234.63, 3761951.18, 220.00,
220.00, 0.00) DC
8TH HIGHEST VALUE IS 6.49793 AT (448081.42, 3761952.78, 220.91,
220.91, 0.00) DC
9TH HIGHEST VALUE IS 6.19100 AT (448507.91, 3762487.71, 225.77,
225.77, 0.00) DC
10TH HIGHEST VALUE IS 5.09498 AT (448025.53, 3761955.99, 221.00,
221.00, 0.00) DC

10BSPILL 1ST HIGHEST VALUE IS 91.72149 AT (448461.57, 3762165.17, 221.96,
221.96, 0.00) DC
2ND HIGHEST VALUE IS 55.10028 AT (448464.47, 3762265.93, 223.32,
223.32, 0.00) DC
3RD HIGHEST VALUE IS 22.05342 AT (448472.57, 3762064.71, 220.00,
220.00, 0.00) DC
4TH HIGHEST VALUE IS 19.00843 AT (448462.73, 3762339.82, 224.57,
224.57, 0.00) DC
5TH HIGHEST VALUE IS 16.09027 AT (448460.48, 3762016.72, 219.38,
219.38, 0.00) DC
6TH HIGHEST VALUE IS 15.56415 AT (448480.49, 3762357.96, 224.76,
224.76, 0.00) DC
7TH HIGHEST VALUE IS 11.88100 AT (448234.63, 3761951.18, 220.00,
220.00, 0.00) DC
8TH HIGHEST VALUE IS 6.52645 AT (448081.42, 3761952.78, 220.91,
220.91, 0.00) DC
9TH HIGHEST VALUE IS 6.14305 AT (448507.91, 3762487.71, 225.77,
225.77, 0.00) DC
10TH HIGHEST VALUE IS 5.09084 AT (448025.53, 3761955.99, 221.00,
221.00, 0.00) DC

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
Haven\AQIA\14822 Ops *** 10/19/22
*** AERMET - VERSION 16216 ***
*** 09:18:50

PAGE 344

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS

** CONC OF OTHER IN
MICROGRAMS/M**3 **

NETWORK

GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,
ZFLAG) OF TYPE GRID-ID

1H25	1ST HIGHEST VALUE IS	20.83028 AT (	448481.33,	3763485.29,	235.57,
235.57,	0.00) DC				
	2ND HIGHEST VALUE IS	19.54972 AT (	448479.95,	3763195.53,	232.04,
	232.04, 0.00) DC				
	3RD HIGHEST VALUE IS	18.25998 AT (	448478.56,	3762907.16,	229.42,
	229.42, 0.00) DC				
	4TH HIGHEST VALUE IS	13.23328 AT (	448497.89,	3762714.10,	228.11,
	228.11, 0.00) DC				
	5TH HIGHEST VALUE IS	10.09010 AT (	448507.91,	3762487.71,	225.77,
	225.77, 0.00) DC				
	6TH HIGHEST VALUE IS	4.05519 AT (	448480.49,	3762357.96,	224.76,
	224.76, 0.00) DC				
	7TH HIGHEST VALUE IS	3.59162 AT (	448462.73,	3762339.82,	224.57,
	224.57, 0.00) DC				
	8TH HIGHEST VALUE IS	1.89101 AT (	448464.47,	3762265.93,	223.32,
	223.32, 0.00) DC				
	9TH HIGHEST VALUE IS	1.45630 AT (	448021.25,	3764434.68,	242.95,
	242.95, 0.00) DC				
	10TH HIGHEST VALUE IS	1.38941 AT (	448004.66,	3764435.18,	243.63,
	243.63, 0.00) DC				
1MC100	1ST HIGHEST VALUE IS	33.04254 AT (	447675.51,	3763287.46,	232.04,
232.04,	0.00) DC				
	2ND HIGHEST VALUE IS	5.24544 AT (	447327.86,	3762713.09,	228.10,
	228.10, 0.00) DC				
	3RD HIGHEST VALUE IS	5.11733 AT (	447327.36,	3762679.87,	227.45,
	227.45, 0.00) DC				
	4TH HIGHEST VALUE IS	5.03835 AT (	447313.13,	3762775.48,	228.32,
	228.32, 0.00) DC				
	5TH HIGHEST VALUE IS	5.03151 AT (	447327.74,	3762657.02,	227.18,
	227.18, 0.00) DC				
	6TH HIGHEST VALUE IS	5.00355 AT (	447313.40,	3762749.53,	228.34,
	228.34, 0.00) DC				
	7TH HIGHEST VALUE IS	4.92884 AT (	447327.28,	3762636.82,	226.88,
	226.88, 0.00) DC				
	8TH HIGHEST VALUE IS	4.81310 AT (	447327.51,	3762612.90,	226.43,
	226.43, 0.00) DC				
	9TH HIGHEST VALUE IS	4.69771 AT (	447327.28,	3762592.24,	226.22,
	226.22, 0.00) DC				
	10TH HIGHEST VALUE IS	4.64912 AT (	447294.56,	3762776.30,	228.30,
	228.30, 0.00) DC				
1OR15	1ST HIGHEST VALUE IS	19.54872 AT (	447156.85,	3762430.16,	223.66,
223.66,	0.00) DC				
	2ND HIGHEST VALUE IS	19.50442 AT (	447200.27,	3762430.63,	223.93,
	223.93, 0.00) DC				
	3RD HIGHEST VALUE IS	19.15281 AT (	447131.77,	3762430.86,	223.62,
	223.62, 0.00) DC				
	4TH HIGHEST VALUE IS	19.13634 AT (	447102.74,	3762430.63,	223.39,
	223.39, 0.00) DC				
	5TH HIGHEST VALUE IS	19.13117 AT (	446486.82,	3762231.95,	222.19,
	222.19, 0.00) DC				
	6TH HIGHEST VALUE IS	18.94928 AT (	447079.06,	3762430.86,	223.12,
	223.12, 0.00) DC				
	7TH HIGHEST VALUE IS	18.62743 AT (	447225.58,	3762432.95,	224.05,
	224.05, 0.00) DC				
	8TH HIGHEST VALUE IS	17.73574 AT (	447034.94,	3762433.65,	223.06,
	223.06, 0.00) DC				
	9TH HIGHEST VALUE IS	17.61496 AT (	446995.47,	3762433.65,	223.07,
	223.07, 0.00) DC				
	10TH HIGHEST VALUE IS	17.46242 AT (	446261.97,	3762068.01,	221.00,
	221.00, 0.00) DC				
1OR60	1ST HIGHEST VALUE IS	36.79263 AT (	448480.49,	3762357.96,	224.76,

224.76, 0.00) DC
 2ND HIGHEST VALUE IS 22.09698 AT (448462.73, 3762339.82, 224.57,
 224.57, 0.00) DC
 3RD HIGHEST VALUE IS 11.93187 AT (448507.91, 3762487.71, 225.77,
 225.77, 0.00) DC
 4TH HIGHEST VALUE IS 9.60054 AT (448464.47, 3762265.93, 223.32,
 223.32, 0.00) DC
 5TH HIGHEST VALUE IS 5.34416 AT (448461.57, 3762165.17, 221.96,
 221.96, 0.00) DC
 6TH HIGHEST VALUE IS 3.67879 AT (448472.57, 3762064.71, 220.00,
 220.00, 0.00) DC
 7TH HIGHEST VALUE IS 3.10355 AT (448460.48, 3762016.72, 219.38,
 219.38, 0.00) DC
 8TH HIGHEST VALUE IS 2.96550 AT (448497.89, 3762714.10, 228.11,
 228.11, 0.00) DC
 9TH HIGHEST VALUE IS 2.37976 AT (449981.72, 3762732.45, 226.41,
 226.41, 0.00) DC
 10TH HIGHEST VALUE IS 1.87503 AT (448234.63, 3761951.18, 220.00,
 220.00, 0.00) DC

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich
 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 345

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

NETWORK

GROUP ID ZFLAG)	OF TYPE GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL,
1OR85 224.76,	1ST HIGHEST VALUE IS 0.00) DC	15.23980 AT (448480.49, 3762357.96,	224.76,
	2ND HIGHEST VALUE IS 225.77, 0.00) DC	15.04863 AT (448507.91, 3762487.71,	225.77,
	3RD HIGHEST VALUE IS 224.57, 0.00) DC	14.20723 AT (448462.73, 3762339.82,	224.57,
	4TH HIGHEST VALUE IS 223.32, 0.00) DC	7.34620 AT (448464.47, 3762265.93,	223.32,
	5TH HIGHEST VALUE IS 228.11, 0.00) DC	4.99458 AT (448497.89, 3762714.10,	228.11,
	6TH HIGHEST VALUE IS 221.96, 0.00) DC	4.35034 AT (448461.57, 3762165.17,	221.96,
	7TH HIGHEST VALUE IS 221.00, 0.00) DC	3.32473 AT (448025.53, 3761955.99,	221.00,
	8TH HIGHEST VALUE IS 220.91, 0.00) DC	3.23280 AT (448081.42, 3761952.78,	220.91,
	9TH HIGHEST VALUE IS 220.00, 0.00) DC	2.91646 AT (448472.57, 3762064.71,	220.00,
	10TH HIGHEST VALUE IS 220.00, 0.00) DC	2.87888 AT (448234.63, 3761951.18,	220.00,
2CIDLE 231.56,	1ST HIGHEST VALUE IS 0.00) DC	14.48589 AT (447167.99, 3763192.31,	231.56,
	2ND HIGHEST VALUE IS 231.39, 0.00) DC	13.37918 AT (447170.68, 3763172.18,	231.39,

3RD HIGHEST VALUE IS 12.46034 AT (447170.41, 3763158.25, 231.25,
 231.25, 0.00) DC
 4TH HIGHEST VALUE IS 12.06449 AT (447138.75, 3763192.31, 231.65,
 231.65, 0.00) DC
 5TH HIGHEST VALUE IS 11.58993 AT (447169.31, 3763144.87, 231.24,
 231.24, 0.00) DC
 6TH HIGHEST VALUE IS 10.89883 AT (447122.05, 3763192.63, 231.72,
 231.72, 0.00) DC
 7TH HIGHEST VALUE IS 9.19383 AT (447093.45, 3763192.63, 231.90,
 231.90, 0.00) DC
 8TH HIGHEST VALUE IS 8.91868 AT (447147.46, 3763107.45, 231.46,
 231.46, 0.00) DC
 9TH HIGHEST VALUE IS 8.79602 AT (447675.51, 3763287.46, 232.04,
 232.04, 0.00) DC
 10TH HIGHEST VALUE IS 8.32859 AT (447076.42, 3763192.31, 231.77,
 231.77, 0.00) DC

2CON 1ST HIGHEST VALUE IS 18.43324 AT (447675.51, 3763287.46, 232.04,
 232.04, 0.00) DC
 2ND HIGHEST VALUE IS 10.48433 AT (447167.99, 3763192.31, 231.56,
 231.56, 0.00) DC
 3RD HIGHEST VALUE IS 10.15077 AT (447170.68, 3763172.18, 231.39,
 231.39, 0.00) DC
 4TH HIGHEST VALUE IS 9.73397 AT (447170.41, 3763158.25, 231.25,
 231.25, 0.00) DC
 5TH HIGHEST VALUE IS 9.28289 AT (447169.31, 3763144.87, 231.24,
 231.24, 0.00) DC
 6TH HIGHEST VALUE IS 8.62101 AT (447138.75, 3763192.31, 231.65,
 231.65, 0.00) DC
 7TH HIGHEST VALUE IS 7.78744 AT (447122.05, 3763192.63, 231.72,
 231.72, 0.00) DC
 8TH HIGHEST VALUE IS 7.36177 AT (447147.46, 3763107.45, 231.46,
 231.46, 0.00) DC
 9TH HIGHEST VALUE IS 6.82423 AT (447146.64, 3763084.24, 231.35,
 231.35, 0.00) DC
 10TH HIGHEST VALUE IS 6.62023 AT (447093.45, 3763192.63, 231.90,
 231.90, 0.00) DC

2H25 1ST HIGHEST VALUE IS 20.83028 AT (448481.33, 3763485.29, 235.57,
 235.57, 0.00) DC
 2ND HIGHEST VALUE IS 19.54972 AT (448479.95, 3763195.53, 232.04,
 232.04, 0.00) DC
 3RD HIGHEST VALUE IS 18.25998 AT (448478.56, 3762907.16, 229.42,
 229.42, 0.00) DC
 4TH HIGHEST VALUE IS 13.23328 AT (448497.89, 3762714.10, 228.11,
 228.11, 0.00) DC
 5TH HIGHEST VALUE IS 10.09010 AT (448507.91, 3762487.71, 225.77,
 225.77, 0.00) DC
 6TH HIGHEST VALUE IS 4.05519 AT (448480.49, 3762357.96, 224.76,
 224.76, 0.00) DC
 7TH HIGHEST VALUE IS 3.59162 AT (448462.73, 3762339.82, 224.57,
 224.57, 0.00) DC
 8TH HIGHEST VALUE IS 1.89101 AT (448464.47, 3762265.93, 223.32,
 223.32, 0.00) DC
 9TH HIGHEST VALUE IS 1.45630 AT (448021.25, 3764434.68, 242.95,
 242.95, 0.00) DC
 10TH HIGHEST VALUE IS 1.38941 AT (448004.66, 3764435.18, 243.63,
 243.63, 0.00) DC

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 Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS

** CONC OF OTHER IN
MICROGRAMS/M**3 **

GROUP ID ZFLAG)	NETWORK OF TYPE GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL,
2MC45 225.77,	1ST HIGHEST VALUE IS 0.00) DC	7.37825 AT (	447327.28, 3762547.89, 225.77,
	2ND HIGHEST VALUE IS 225.99, 0.00) DC	7.36522 AT (	447327.04, 3762569.71, 225.99,
	3RD HIGHEST VALUE IS 226.22, 0.00) DC	7.32740 AT (	447327.28, 3762592.24, 226.22,
	4TH HIGHEST VALUE IS 225.54, 0.00) DC	7.30578 AT (	447326.58, 3762524.67, 225.54,
	5TH HIGHEST VALUE IS 226.43, 0.00) DC	7.25281 AT (	447327.51, 3762612.90, 226.43,
	6TH HIGHEST VALUE IS 225.35, 0.00) DC	7.23888 AT (	447326.58, 3762506.09, 225.35,
	7TH HIGHEST VALUE IS 224.87, 0.00) DC	7.11682 AT (	447327.51, 3762477.53, 224.87,
	8TH HIGHEST VALUE IS 226.88, 0.00) DC	7.09694 AT (	447327.28, 3762636.82, 226.88,
	9TH HIGHEST VALUE IS 227.18, 0.00) DC	6.95584 AT (	447327.74, 3762657.02, 227.18,
	10TH HIGHEST VALUE IS 224.52, 0.00) DC	6.88676 AT (	447325.88, 3762454.31, 224.52,
2OR15 223.66,	1ST HIGHEST VALUE IS 0.00) DC	19.54872 AT (	447156.85, 3762430.16, 223.66,
	2ND HIGHEST VALUE IS 223.93, 0.00) DC	19.50442 AT (	447200.27, 3762430.63, 223.93,
	3RD HIGHEST VALUE IS 223.62, 0.00) DC	19.15281 AT (	447131.77, 3762430.86, 223.62,
	4TH HIGHEST VALUE IS 223.39, 0.00) DC	19.13634 AT (	447102.74, 3762430.63, 223.39,
	5TH HIGHEST VALUE IS 222.19, 0.00) DC	19.13117 AT (	446486.82, 3762231.95, 222.19,
	6TH HIGHEST VALUE IS 223.12, 0.00) DC	18.94928 AT (	447079.06, 3762430.86, 223.12,
	7TH HIGHEST VALUE IS 224.05, 0.00) DC	18.62743 AT (	447225.58, 3762432.95, 224.05,
	8TH HIGHEST VALUE IS 223.06, 0.00) DC	17.73574 AT (	447034.94, 3762433.65, 223.06,
	9TH HIGHEST VALUE IS 223.07, 0.00) DC	17.61496 AT (	446995.47, 3762433.65, 223.07,
	10TH HIGHEST VALUE IS 221.00, 0.00) DC	17.46242 AT (	446261.97, 3762068.01, 221.00,
2OR30 224.76,	1ST HIGHEST VALUE IS 0.00) DC	15.23980 AT (	448480.49, 3762357.96, 224.76,
	2ND HIGHEST VALUE IS 225.77, 0.00) DC	15.04863 AT (	448507.91, 3762487.71, 225.77,
	3RD HIGHEST VALUE IS 224.57, 0.00) DC	14.20723 AT (	448462.73, 3762339.82, 224.57,
	4TH HIGHEST VALUE IS 223.32, 0.00) DC	7.34620 AT (	448464.47, 3762265.93, 223.32,
	5TH HIGHEST VALUE IS 228.11, 0.00) DC	4.99458 AT (	448497.89, 3762714.10, 228.11,

6TH HIGHEST VALUE IS 4.35034 AT (448461.57, 3762165.17, 221.96,
 221.96, 0.00) DC
 7TH HIGHEST VALUE IS 3.32473 AT (448025.53, 3761955.99, 221.00,
 221.00, 0.00) DC
 8TH HIGHEST VALUE IS 3.23280 AT (448081.42, 3761952.78, 220.91,
 220.91, 0.00) DC
 9TH HIGHEST VALUE IS 2.91646 AT (448472.57, 3762064.71, 220.00,
 220.00, 0.00) DC
 10TH HIGHEST VALUE IS 2.87888 AT (448234.63, 3761951.18, 220.00,
 220.00, 0.00) DC

2OR60 1ST HIGHEST VALUE IS 36.79263 AT (448480.49, 3762357.96, 224.76,
 224.76, 0.00) DC
 2ND HIGHEST VALUE IS 22.09698 AT (448462.73, 3762339.82, 224.57,
 224.57, 0.00) DC
 3RD HIGHEST VALUE IS 11.93187 AT (448507.91, 3762487.71, 225.77,
 225.77, 0.00) DC
 4TH HIGHEST VALUE IS 9.60054 AT (448464.47, 3762265.93, 223.32,
 223.32, 0.00) DC
 5TH HIGHEST VALUE IS 5.34416 AT (448461.57, 3762165.17, 221.96,
 221.96, 0.00) DC
 6TH HIGHEST VALUE IS 3.67879 AT (448472.57, 3762064.71, 220.00,
 220.00, 0.00) DC
 7TH HIGHEST VALUE IS 3.10355 AT (448460.48, 3762016.72, 219.38,
 219.38, 0.00) DC
 8TH HIGHEST VALUE IS 2.96550 AT (448497.89, 3762714.10, 228.11,
 228.11, 0.00) DC
 9TH HIGHEST VALUE IS 2.37976 AT (449981.72, 3762732.45, 226.41,
 226.41, 0.00) DC
 10TH HIGHEST VALUE IS 1.87503 AT (448234.63, 3761951.18, 220.00,
 220.00, 0.00) DC

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 Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 347

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS

** CONC OF OTHER IN **
 MICROGRAMS/M**3

NETWORK

GROUP ID NETWORK AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,
 ZFLAG) OF TYPE GRID-ID

3CIDLE 1ST HIGHEST VALUE IS 20.55586 AT (447206.08, 3762958.49, 229.54,
 229.54, 0.00) DC
 2ND HIGHEST VALUE IS 18.38590 AT (447209.33, 3762922.51, 229.07,
 229.07, 0.00) DC
 3RD HIGHEST VALUE IS 15.63487 AT (447208.40, 3762890.70, 228.92,
 228.92, 0.00) DC
 4TH HIGHEST VALUE IS 13.05757 AT (447149.92, 3763038.90, 230.77,
 230.77, 0.00) DC
 5TH HIGHEST VALUE IS 13.04810 AT (447148.56, 3763019.78, 230.57,
 230.57, 0.00) DC
 6TH HIGHEST VALUE IS 13.03672 AT (447148.56, 3762997.39, 230.25,
 230.25, 0.00) DC
 7TH HIGHEST VALUE IS 12.35930 AT (447146.92, 3763064.30, 231.14,

231.14,	0.00)	DC				
8TH HIGHEST VALUE IS			11.91263	AT (	447169.31,	3763144.87,
231.24,	0.00)	DC				231.24,
9TH HIGHEST VALUE IS			11.90254	AT (	447146.64,	3763084.24,
231.35,	0.00)	DC				231.35,
10TH HIGHEST VALUE IS			11.38528	AT (	447170.41,	3763158.25,
231.25,	0.00)	DC				231.25,

3CON	1ST HIGHEST VALUE IS		18.57327	AT (	447675.51,	3763287.46,	232.04,
232.04,	0.00)	DC					
	2ND HIGHEST VALUE IS		13.32763	AT (	447206.08,	3762958.49,	229.54,
229.54,	0.00)	DC					
	3RD HIGHEST VALUE IS		12.79601	AT (	447209.33,	3762922.51,	229.07,
229.07,	0.00)	DC					
	4TH HIGHEST VALUE IS		11.67996	AT (	447208.40,	3762890.70,	228.92,
228.92,	0.00)	DC					
	5TH HIGHEST VALUE IS		10.45196	AT (	447313.13,	3762775.48,	228.32,
228.32,	0.00)	DC					
	6TH HIGHEST VALUE IS		10.04527	AT (	447294.56,	3762776.30,	228.30,
228.30,	0.00)	DC					
	7TH HIGHEST VALUE IS		9.19717	AT (	447169.31,	3763144.87,	231.24,
231.24,	0.00)	DC					
	8TH HIGHEST VALUE IS		9.12200	AT (	447262.33,	3762776.03,	228.41,
228.41,	0.00)	DC					
	9TH HIGHEST VALUE IS		9.03825	AT (	447149.92,	3763038.90,	230.77,
230.77,	0.00)	DC					
	10TH HIGHEST VALUE IS		9.00340	AT (	447170.41,	3763158.25,	231.25,
231.25,	0.00)	DC					

4BBREAT	1ST HIGHEST VALUE IS		59.06190	AT (	446795.06,	3762321.03,	221.98,
221.98,	0.00)	DC					
	2ND HIGHEST VALUE IS		44.28991	AT (	446972.71,	3762434.34,	223.16,
223.16,	0.00)	DC					
	3RD HIGHEST VALUE IS		43.90535	AT (	446941.37,	3762434.58,	223.48,
223.48,	0.00)	DC					
	4TH HIGHEST VALUE IS		43.66901	AT (	446995.47,	3762433.65,	223.07,
223.07,	0.00)	DC					
	5TH HIGHEST VALUE IS		41.70531	AT (	446916.06,	3762436.90,	223.73,
223.73,	0.00)	DC					
	6TH HIGHEST VALUE IS		38.89965	AT (	447034.94,	3762433.65,	223.06,
223.06,	0.00)	DC					
	7TH HIGHEST VALUE IS		38.68859	AT (	446876.35,	3762436.90,	223.74,
223.74,	0.00)	DC					
	8TH HIGHEST VALUE IS		32.60851	AT (	447079.06,	3762430.86,	223.12,
223.12,	0.00)	DC					
	9TH HIGHEST VALUE IS		28.87671	AT (	447102.74,	3762430.63,	223.39,
223.39,	0.00)	DC					
	10TH HIGHEST VALUE IS		27.12972	AT (	446772.40,	3762215.37,	221.64,
221.64,	0.00)	DC					

4BLOAD	1ST HIGHEST VALUE IS		59.06188	AT (	446795.06,	3762321.03,	221.98,
221.98,	0.00)	DC					
	2ND HIGHEST VALUE IS		44.29133	AT (	446972.71,	3762434.34,	223.16,
223.16,	0.00)	DC					
	3RD HIGHEST VALUE IS		43.90683	AT (	446941.37,	3762434.58,	223.48,
223.48,	0.00)	DC					
	4TH HIGHEST VALUE IS		43.67029	AT (	446995.47,	3762433.65,	223.07,
223.07,	0.00)	DC					
	5TH HIGHEST VALUE IS		41.70665	AT (	446916.06,	3762436.90,	223.73,
223.73,	0.00)	DC					
	6TH HIGHEST VALUE IS		38.90062	AT (	447034.94,	3762433.65,	223.06,
223.06,	0.00)	DC					
	7TH HIGHEST VALUE IS		38.68959	AT (	446876.35,	3762436.90,	223.74,
223.74,	0.00)	DC					
	8TH HIGHEST VALUE IS		32.60920	AT (	447079.06,	3762430.86,	223.12,
223.12,	0.00)	DC					

9TH HIGHEST VALUE IS 28.87728 AT (447102.74, 3762430.63, 223.39,
 223.39, 0.00) DC
 10TH HIGHEST VALUE IS 27.12992 AT (446772.40, 3762215.37, 221.64,
 221.64, 0.00) DC

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 Haven\AQIA\14822 Ops *** 10/19/22
 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 348

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

NETWORK

GROUP ID NETWORK AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,
 ZFLAG) OF TYPE GRID-ID

4BREF 1ST HIGHEST VALUE IS 86.10048 AT (446795.06, 3762321.03, 221.98,
 221.98, 0.00) DC
 2ND HIGHEST VALUE IS 55.95749 AT (446941.37, 3762434.58, 223.48,
 223.48, 0.00) DC
 3RD HIGHEST VALUE IS 54.40548 AT (446972.71, 3762434.34, 223.16,
 223.16, 0.00) DC
 4TH HIGHEST VALUE IS 54.14468 AT (446916.06, 3762436.90, 223.73,
 223.73, 0.00) DC
 5TH HIGHEST VALUE IS 53.09124 AT (446876.35, 3762436.90, 223.74,
 223.74, 0.00) DC
 6TH HIGHEST VALUE IS 51.98548 AT (446995.47, 3762433.65, 223.07,
 223.07, 0.00) DC
 7TH HIGHEST VALUE IS 44.17095 AT (447034.94, 3762433.65, 223.06,
 223.06, 0.00) DC
 8TH HIGHEST VALUE IS 35.57022 AT (447079.06, 3762430.86, 223.12,
 223.12, 0.00) DC
 9TH HIGHEST VALUE IS 34.87226 AT (446849.17, 3762455.82, 224.12,
 224.12, 0.00) DC
 10TH HIGHEST VALUE IS 31.02603 AT (447102.74, 3762430.63, 223.39,
 223.39, 0.00) DC

4BSPILL 1ST HIGHEST VALUE IS 86.17963 AT (446795.06, 3762321.03, 221.98,
 221.98, 0.00) DC
 2ND HIGHEST VALUE IS 53.75978 AT (446941.37, 3762434.58, 223.48,
 223.48, 0.00) DC
 3RD HIGHEST VALUE IS 53.07341 AT (446916.06, 3762436.90, 223.73,
 223.73, 0.00) DC
 4TH HIGHEST VALUE IS 52.59941 AT (446876.35, 3762436.90, 223.74,
 223.74, 0.00) DC
 5TH HIGHEST VALUE IS 52.41986 AT (446972.71, 3762434.34, 223.16,
 223.16, 0.00) DC
 6TH HIGHEST VALUE IS 51.14646 AT (446995.47, 3762433.65, 223.07,
 223.07, 0.00) DC
 7TH HIGHEST VALUE IS 45.07748 AT (447034.94, 3762433.65, 223.06,
 223.06, 0.00) DC
 8TH HIGHEST VALUE IS 37.28896 AT (447079.06, 3762430.86, 223.12,
 223.12, 0.00) DC
 9TH HIGHEST VALUE IS 34.69131 AT (446849.17, 3762455.82, 224.12,
 224.12, 0.00) DC
 10TH HIGHEST VALUE IS 32.70476 AT (447102.74, 3762430.63, 223.39,
 223.39, 0.00) DC

223.39, 0.00) DC

5AIDLE 1ST HIGHEST VALUE IS 27.94229 AT (447327.51, 3762612.90, 226.43,
226.43, 0.00) DC
2ND HIGHEST VALUE IS 27.80503 AT (447327.28, 3762592.24, 226.22,
226.22, 0.00) DC
3RD HIGHEST VALUE IS 26.98051 AT (447327.28, 3762636.82, 226.88,
226.88, 0.00) DC
4TH HIGHEST VALUE IS 26.83172 AT (447327.04, 3762569.71, 225.99,
225.99, 0.00) DC
5TH HIGHEST VALUE IS 25.68694 AT (447327.74, 3762657.02, 227.18,
227.18, 0.00) DC
6TH HIGHEST VALUE IS 25.33446 AT (447327.28, 3762547.89, 225.77,
225.77, 0.00) DC
7TH HIGHEST VALUE IS 23.39950 AT (447327.36, 3762679.87, 227.45,
227.45, 0.00) DC
8TH HIGHEST VALUE IS 22.97003 AT (447326.58, 3762524.67, 225.54,
225.54, 0.00) DC
9TH HIGHEST VALUE IS 21.00925 AT (447326.58, 3762506.09, 225.35,
225.35, 0.00) DC
10TH HIGHEST VALUE IS 19.80356 AT (447327.86, 3762713.09, 228.10,
228.10, 0.00) DC

5AON 1ST HIGHEST VALUE IS 26.53431 AT (447327.51, 3762612.90, 226.43,
226.43, 0.00) DC
2ND HIGHEST VALUE IS 26.41087 AT (447327.28, 3762636.82, 226.88,
226.88, 0.00) DC
3RD HIGHEST VALUE IS 26.31380 AT (447327.28, 3762592.24, 226.22,
226.22, 0.00) DC
4TH HIGHEST VALUE IS 26.26377 AT (447327.74, 3762657.02, 227.18,
227.18, 0.00) DC
5TH HIGHEST VALUE IS 25.88063 AT (447327.04, 3762569.71, 225.99,
225.99, 0.00) DC
6TH HIGHEST VALUE IS 25.48916 AT (447327.36, 3762679.87, 227.45,
227.45, 0.00) DC
7TH HIGHEST VALUE IS 25.40726 AT (447327.28, 3762547.89, 225.77,
225.77, 0.00) DC
8TH HIGHEST VALUE IS 24.42051 AT (447326.58, 3762524.67, 225.54,
225.54, 0.00) DC
9TH HIGHEST VALUE IS 23.85829 AT (447327.86, 3762713.09, 228.10,
228.10, 0.00) DC
10TH HIGHEST VALUE IS 23.60610 AT (447326.58, 3762506.09, 225.35,
225.35, 0.00) DC

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Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 349

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS

** CONC OF OTHER IN
MICROGRAMS/M**3 **

NETWORK

GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,
ZFLAG) OF TYPE GRID-ID

5BBREAT 1ST HIGHEST VALUE IS 7.36330 AT (447325.88, 3762454.31, 224.52,

224.52, 0.00) DC
 2ND HIGHEST VALUE IS 6.89243 AT (447327.51, 3762477.53, 224.87,
 224.87, 0.00) DC
 3RD HIGHEST VALUE IS 6.21930 AT (447326.58, 3762506.09, 225.35,
 225.35, 0.00) DC
 4TH HIGHEST VALUE IS 5.82488 AT (447326.58, 3762524.67, 225.54,
 225.54, 0.00) DC
 5TH HIGHEST VALUE IS 5.43170 AT (447506.75, 3761967.63, 220.00,
 220.00, 0.00) DC
 6TH HIGHEST VALUE IS 5.37478 AT (447327.28, 3762547.89, 225.77,
 225.77, 0.00) DC
 7TH HIGHEST VALUE IS 4.96226 AT (447327.04, 3762569.71, 225.99,
 225.99, 0.00) DC
 8TH HIGHEST VALUE IS 4.64169 AT (447225.58, 3762432.95, 224.05,
 224.05, 0.00) DC
 9TH HIGHEST VALUE IS 4.57865 AT (447327.28, 3762592.24, 226.22,
 226.22, 0.00) DC
 10TH HIGHEST VALUE IS 4.25560 AT (447327.51, 3762612.90, 226.43,
 226.43, 0.00) DC

5BLOAD 1ST HIGHEST VALUE IS 7.36346 AT (447325.88, 3762454.31, 224.52,
 224.52, 0.00) DC
 2ND HIGHEST VALUE IS 6.89257 AT (447327.51, 3762477.53, 224.87,
 224.87, 0.00) DC
 3RD HIGHEST VALUE IS 6.21943 AT (447326.58, 3762506.09, 225.35,
 225.35, 0.00) DC
 4TH HIGHEST VALUE IS 5.82500 AT (447326.58, 3762524.67, 225.54,
 225.54, 0.00) DC
 5TH HIGHEST VALUE IS 5.43173 AT (447506.75, 3761967.63, 220.00,
 220.00, 0.00) DC
 6TH HIGHEST VALUE IS 5.37488 AT (447327.28, 3762547.89, 225.77,
 225.77, 0.00) DC
 7TH HIGHEST VALUE IS 4.96235 AT (447327.04, 3762569.71, 225.99,
 225.99, 0.00) DC
 8TH HIGHEST VALUE IS 4.64177 AT (447225.58, 3762432.95, 224.05,
 224.05, 0.00) DC
 9TH HIGHEST VALUE IS 4.57873 AT (447327.28, 3762592.24, 226.22,
 226.22, 0.00) DC
 10TH HIGHEST VALUE IS 4.25567 AT (447327.51, 3762612.90, 226.43,
 226.43, 0.00) DC

5BREF 1ST HIGHEST VALUE IS 7.12826 AT (447325.88, 3762454.31, 224.52,
 224.52, 0.00) DC
 2ND HIGHEST VALUE IS 6.74123 AT (447327.51, 3762477.53, 224.87,
 224.87, 0.00) DC
 3RD HIGHEST VALUE IS 6.14930 AT (447326.58, 3762506.09, 225.35,
 225.35, 0.00) DC
 4TH HIGHEST VALUE IS 5.79374 AT (447326.58, 3762524.67, 225.54,
 225.54, 0.00) DC
 5TH HIGHEST VALUE IS 5.37902 AT (447327.28, 3762547.89, 225.77,
 225.77, 0.00) DC
 6TH HIGHEST VALUE IS 5.03312 AT (447506.75, 3761967.63, 220.00,
 220.00, 0.00) DC
 7TH HIGHEST VALUE IS 4.98748 AT (447327.04, 3762569.71, 225.99,
 225.99, 0.00) DC
 8TH HIGHEST VALUE IS 4.61780 AT (447327.28, 3762592.24, 226.22,
 226.22, 0.00) DC
 9TH HIGHEST VALUE IS 4.45849 AT (447225.58, 3762432.95, 224.05,
 224.05, 0.00) DC
 10TH HIGHEST VALUE IS 4.30255 AT (447327.51, 3762612.90, 226.43,
 226.43, 0.00) DC

5BSPILL 1ST HIGHEST VALUE IS 7.10081 AT (447325.88, 3762454.31, 224.52,
 224.52, 0.00) DC
 2ND HIGHEST VALUE IS 6.72381 AT (447327.51, 3762477.53, 224.87,
 224.87, 0.00) DC

3RD HIGHEST VALUE IS 6.14109 AT (447326.58, 3762506.09, 225.35,
 225.35, 0.00) DC
 4TH HIGHEST VALUE IS 5.78858 AT (447326.58, 3762524.67, 225.54,
 225.54, 0.00) DC
 5TH HIGHEST VALUE IS 5.37473 AT (447327.28, 3762547.89, 225.77,
 225.77, 0.00) DC
 6TH HIGHEST VALUE IS 4.99800 AT (447506.75, 3761967.63, 220.00,
 220.00, 0.00) DC
 7TH HIGHEST VALUE IS 4.98187 AT (447327.04, 3762569.71, 225.99,
 225.99, 0.00) DC
 8TH HIGHEST VALUE IS 4.60976 AT (447327.28, 3762592.24, 226.22,
 226.22, 0.00) DC
 9TH HIGHEST VALUE IS 4.43842 AT (447225.58, 3762432.95, 224.05,
 224.05, 0.00) DC
 10TH HIGHEST VALUE IS 4.29239 AT (447327.51, 3762612.90, 226.43,
 226.43, 0.00) DC

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 350

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

NETWORK

GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,
 ZFLAG) OF TYPE GRID-ID

5CBRE 1ST HIGHEST VALUE IS 8.65210 AT (447325.88, 3762454.31, 224.52,
 224.52, 0.00) DC
 2ND HIGHEST VALUE IS 8.57507 AT (447327.51, 3762477.53, 224.87,
 224.87, 0.00) DC
 3RD HIGHEST VALUE IS 8.20215 AT (447326.58, 3762506.09, 225.35,
 225.35, 0.00) DC
 4TH HIGHEST VALUE IS 7.94269 AT (447326.58, 3762524.67, 225.54,
 225.54, 0.00) DC
 5TH HIGHEST VALUE IS 7.60301 AT (447327.28, 3762547.89, 225.77,
 225.77, 0.00) DC
 6TH HIGHEST VALUE IS 7.20486 AT (447327.04, 3762569.71, 225.99,
 225.99, 0.00) DC
 7TH HIGHEST VALUE IS 6.79271 AT (447327.28, 3762592.24, 226.22,
 226.22, 0.00) DC
 8TH HIGHEST VALUE IS 6.40554 AT (447327.51, 3762612.90, 226.43,
 226.43, 0.00) DC
 9TH HIGHEST VALUE IS 5.94019 AT (447327.28, 3762636.82, 226.88,
 226.88, 0.00) DC
 10TH HIGHEST VALUE IS 5.57679 AT (447327.74, 3762657.02, 227.18,
 227.18, 0.00) DC

5CLOAD 1ST HIGHEST VALUE IS 8.65226 AT (447325.88, 3762454.31, 224.52,
 224.52, 0.00) DC
 2ND HIGHEST VALUE IS 8.57525 AT (447327.51, 3762477.53, 224.87,
 224.87, 0.00) DC
 3RD HIGHEST VALUE IS 8.20232 AT (447326.58, 3762506.09, 225.35,
 225.35, 0.00) DC
 4TH HIGHEST VALUE IS 7.94286 AT (447326.58, 3762524.67, 225.54,
 225.54, 0.00) DC

225.54, 0.00) DC
 5TH HIGHEST VALUE IS 7.60317 AT (447327.28, 3762547.89, 225.77,
 225.77, 0.00) DC
 6TH HIGHEST VALUE IS 7.20501 AT (447327.04, 3762569.71, 225.99,
 225.99, 0.00) DC
 7TH HIGHEST VALUE IS 6.79285 AT (447327.28, 3762592.24, 226.22,
 226.22, 0.00) DC
 8TH HIGHEST VALUE IS 6.40567 AT (447327.51, 3762612.90, 226.43,
 226.43, 0.00) DC
 9TH HIGHEST VALUE IS 5.94031 AT (447327.28, 3762636.82, 226.88,
 226.88, 0.00) DC
 10TH HIGHEST VALUE IS 5.57689 AT (447327.74, 3762657.02, 227.18,
 227.18, 0.00) DC

5CREF 1ST HIGHEST VALUE IS 8.50185 AT (447325.88, 3762454.31, 224.52,
 224.52, 0.00) DC
 2ND HIGHEST VALUE IS 8.36712 AT (447327.51, 3762477.53, 224.87,
 224.87, 0.00) DC
 3RD HIGHEST VALUE IS 7.93292 AT (447326.58, 3762506.09, 225.35,
 225.35, 0.00) DC
 4TH HIGHEST VALUE IS 7.64193 AT (447326.58, 3762524.67, 225.54,
 225.54, 0.00) DC
 5TH HIGHEST VALUE IS 7.27619 AT (447327.28, 3762547.89, 225.77,
 225.77, 0.00) DC
 6TH HIGHEST VALUE IS 6.87149 AT (447327.04, 3762569.71, 225.99,
 225.99, 0.00) DC
 7TH HIGHEST VALUE IS 6.46170 AT (447327.28, 3762592.24, 226.22,
 226.22, 0.00) DC
 8TH HIGHEST VALUE IS 6.08228 AT (447327.51, 3762612.90, 226.43,
 226.43, 0.00) DC
 9TH HIGHEST VALUE IS 5.63088 AT (447327.28, 3762636.82, 226.88,
 226.88, 0.00) DC
 10TH HIGHEST VALUE IS 5.27877 AT (447327.74, 3762657.02, 227.18,
 227.18, 0.00) DC

5CSPILL 1ST HIGHEST VALUE IS 8.47497 AT (447325.88, 3762454.31, 224.52,
 224.52, 0.00) DC
 2ND HIGHEST VALUE IS 8.33953 AT (447327.51, 3762477.53, 224.87,
 224.87, 0.00) DC
 3RD HIGHEST VALUE IS 7.90013 AT (447326.58, 3762506.09, 225.35,
 225.35, 0.00) DC
 4TH HIGHEST VALUE IS 7.60698 AT (447326.58, 3762524.67, 225.54,
 225.54, 0.00) DC
 5TH HIGHEST VALUE IS 7.24407 AT (447327.28, 3762547.89, 225.77,
 225.77, 0.00) DC
 6TH HIGHEST VALUE IS 6.84718 AT (447327.04, 3762569.71, 225.99,
 225.99, 0.00) DC
 7TH HIGHEST VALUE IS 6.44652 AT (447327.28, 3762592.24, 226.22,
 226.22, 0.00) DC
 8TH HIGHEST VALUE IS 6.07350 AT (447327.51, 3762612.90, 226.43,
 226.43, 0.00) DC
 9TH HIGHEST VALUE IS 5.62602 AT (447327.28, 3762636.82, 226.88,
 226.88, 0.00) DC
 10TH HIGHEST VALUE IS 5.27464 AT (447327.74, 3762657.02, 227.18,
 227.18, 0.00) DC

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*** 09:18:50

** CONC OF OTHER IN
MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR	(XR, YR, ZELEV, ZHILL,	
ZFLAG)	OF TYPE GRID-ID				
6AIDLE 229.42,	1ST HIGHEST VALUE IS 0.00) DC	9.83078 AT (	448478.56,	3762907.16,	229.42,
	2ND HIGHEST VALUE IS 228.11, 0.00) DC	9.52694 AT (	448497.89,	3762714.10,	228.11,
	3RD HIGHEST VALUE IS 225.77, 0.00) DC	3.50413 AT (	448507.91,	3762487.71,	225.77,
	4TH HIGHEST VALUE IS 224.76, 0.00) DC	2.66167 AT (	448480.49,	3762357.96,	224.76,
	5TH HIGHEST VALUE IS 232.04, 0.00) DC	2.64450 AT (	448479.95,	3763195.53,	232.04,
	6TH HIGHEST VALUE IS 224.57, 0.00) DC	2.64438 AT (	448462.73,	3762339.82,	224.57,
	7TH HIGHEST VALUE IS 223.32, 0.00) DC	2.20340 AT (	448464.47,	3762265.93,	223.32,
	8TH HIGHEST VALUE IS 221.96, 0.00) DC	1.76990 AT (	448461.57,	3762165.17,	221.96,
	9TH HIGHEST VALUE IS 221.00, 0.00) DC	1.53379 AT (	448025.53,	3761955.99,	221.00,
	10TH HIGHEST VALUE IS 220.91, 0.00) DC	1.49937 AT (	448081.42,	3761952.78,	220.91,
6AON 229.42,	1ST HIGHEST VALUE IS 0.00) DC	10.82956 AT (	448478.56,	3762907.16,	229.42,
	2ND HIGHEST VALUE IS 228.11, 0.00) DC	9.82151 AT (	448497.89,	3762714.10,	228.11,
	3RD HIGHEST VALUE IS 232.04, 0.00) DC	3.15777 AT (	448479.95,	3763195.53,	232.04,
	4TH HIGHEST VALUE IS 225.77, 0.00) DC	3.07086 AT (	448507.91,	3762487.71,	225.77,
	5TH HIGHEST VALUE IS 227.45, 0.00) DC	2.43738 AT (	447327.36,	3762679.87,	227.45,
	6TH HIGHEST VALUE IS 227.18, 0.00) DC	2.43519 AT (	447327.74,	3762657.02,	227.18,
	7TH HIGHEST VALUE IS 228.10, 0.00) DC	2.43405 AT (	447327.86,	3762713.09,	228.10,
	8TH HIGHEST VALUE IS 226.88, 0.00) DC	2.41853 AT (	447327.28,	3762636.82,	226.88,
	9TH HIGHEST VALUE IS 226.43, 0.00) DC	2.39741 AT (	447327.51,	3762612.90,	226.43,
	10TH HIGHEST VALUE IS 226.22, 0.00) DC	2.36982 AT (	447327.28,	3762592.24,	226.22,
6BBREAT 225.77,	1ST HIGHEST VALUE IS 0.00) DC	48.65251 AT (	448507.91,	3762487.71,	225.77,
	2ND HIGHEST VALUE IS 224.76, 0.00) DC	16.76417 AT (	448480.49,	3762357.96,	224.76,
	3RD HIGHEST VALUE IS 224.57, 0.00) DC	16.26085 AT (	448462.73,	3762339.82,	224.57,
	4TH HIGHEST VALUE IS 228.11, 0.00) DC	10.90883 AT (	448497.89,	3762714.10,	228.11,
	5TH HIGHEST VALUE IS 223.32, 0.00) DC	9.71869 AT (	448464.47,	3762265.93,	223.32,
	6TH HIGHEST VALUE IS 221.96, 0.00) DC	5.68890 AT (	448461.57,	3762165.17,	221.96,
	7TH HIGHEST VALUE IS	3.73963 AT (	448478.56,	3762907.16,	229.42,

229.42, 0.00) DC
 8TH HIGHEST VALUE IS 3.65903 AT (448472.57, 3762064.71, 220.00,
 220.00, 0.00) DC
 9TH HIGHEST VALUE IS 3.12777 AT (448460.48, 3762016.72, 219.38,
 219.38, 0.00) DC
 10TH HIGHEST VALUE IS 2.82624 AT (448234.63, 3761951.18, 220.00,
 220.00, 0.00) DC

6BLOAD 1ST HIGHEST VALUE IS 48.65334 AT (448507.91, 3762487.71, 225.77,
 225.77, 0.00) DC
 2ND HIGHEST VALUE IS 16.76447 AT (448480.49, 3762357.96, 224.76,
 224.76, 0.00) DC
 3RD HIGHEST VALUE IS 16.26109 AT (448462.73, 3762339.82, 224.57,
 224.57, 0.00) DC
 4TH HIGHEST VALUE IS 10.90924 AT (448497.89, 3762714.10, 228.11,
 228.11, 0.00) DC
 5TH HIGHEST VALUE IS 9.71880 AT (448464.47, 3762265.93, 223.32,
 223.32, 0.00) DC
 6TH HIGHEST VALUE IS 5.68895 AT (448461.57, 3762165.17, 221.96,
 221.96, 0.00) DC
 7TH HIGHEST VALUE IS 3.73972 AT (448478.56, 3762907.16, 229.42,
 229.42, 0.00) DC
 8TH HIGHEST VALUE IS 3.65905 AT (448472.57, 3762064.71, 220.00,
 220.00, 0.00) DC
 9TH HIGHEST VALUE IS 3.12779 AT (448460.48, 3762016.72, 219.38,
 219.38, 0.00) DC
 10TH HIGHEST VALUE IS 2.82625 AT (448234.63, 3761951.18, 220.00,
 220.00, 0.00) DC

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 *** AERMET - VERSION 16216 ***
 *** 09:18:50

PAGE 352

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

NETWORK

GROUP ID NETWORK AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,
 ZFLAG) OF TYPE GRID-ID

6BREF 1ST HIGHEST VALUE IS 70.20701 AT (448507.91, 3762487.71, 225.77,
 225.77, 0.00) DC
 2ND HIGHEST VALUE IS 21.63094 AT (448480.49, 3762357.96, 224.76,
 224.76, 0.00) DC
 3RD HIGHEST VALUE IS 21.09728 AT (448462.73, 3762339.82, 224.57,
 224.57, 0.00) DC
 4TH HIGHEST VALUE IS 11.77409 AT (448464.47, 3762265.93, 223.32,
 223.32, 0.00) DC
 5TH HIGHEST VALUE IS 9.15197 AT (448497.89, 3762714.10, 228.11,
 228.11, 0.00) DC
 6TH HIGHEST VALUE IS 6.49218 AT (448461.57, 3762165.17, 221.96,
 221.96, 0.00) DC
 7TH HIGHEST VALUE IS 4.03592 AT (448472.57, 3762064.71, 220.00,
 220.00, 0.00) DC
 8TH HIGHEST VALUE IS 3.40848 AT (448460.48, 3762016.72, 219.38,
 219.38, 0.00) DC

9TH HIGHEST VALUE IS 3.40578 AT (448478.56, 3762907.16, 229.42,
229.42, 0.00) DC
10TH HIGHEST VALUE IS 3.00164 AT (448234.63, 3761951.18, 220.00,
220.00, 0.00) DC

6BSPILL 1ST HIGHEST VALUE IS 72.80872 AT (448507.91, 3762487.71, 225.77,
225.77, 0.00) DC
2ND HIGHEST VALUE IS 21.46275 AT (448480.49, 3762357.96, 224.76,
224.76, 0.00) DC
3RD HIGHEST VALUE IS 21.05252 AT (448462.73, 3762339.82, 224.57,
224.57, 0.00) DC
4TH HIGHEST VALUE IS 11.79746 AT (448464.47, 3762265.93, 223.32,
223.32, 0.00) DC
5TH HIGHEST VALUE IS 9.04227 AT (448497.89, 3762714.10, 228.11,
228.11, 0.00) DC
6TH HIGHEST VALUE IS 6.49223 AT (448461.57, 3762165.17, 221.96,
221.96, 0.00) DC
7TH HIGHEST VALUE IS 4.03048 AT (448472.57, 3762064.71, 220.00,
220.00, 0.00) DC
8TH HIGHEST VALUE IS 3.40029 AT (448460.48, 3762016.72, 219.38,
219.38, 0.00) DC
9TH HIGHEST VALUE IS 3.37893 AT (448478.56, 3762907.16, 229.42,
229.42, 0.00) DC
10TH HIGHEST VALUE IS 2.98151 AT (448234.63, 3761951.18, 220.00,
220.00, 0.00) DC

8BREAT 1ST HIGHEST VALUE IS 100.02516 AT (448462.73, 3762339.82, 224.57,
224.57, 0.00) DC
2ND HIGHEST VALUE IS 83.57240 AT (448480.49, 3762357.96, 224.76,
224.76, 0.00) DC
3RD HIGHEST VALUE IS 33.99585 AT (448464.47, 3762265.93, 223.32,
223.32, 0.00) DC
4TH HIGHEST VALUE IS 21.94479 AT (448507.91, 3762487.71, 225.77,
225.77, 0.00) DC
5TH HIGHEST VALUE IS 14.15244 AT (448461.57, 3762165.17, 221.96,
221.96, 0.00) DC
6TH HIGHEST VALUE IS 7.23195 AT (448472.57, 3762064.71, 220.00,
220.00, 0.00) DC
7TH HIGHEST VALUE IS 5.82175 AT (448460.48, 3762016.72, 219.38,
219.38, 0.00) DC
8TH HIGHEST VALUE IS 5.01012 AT (448234.63, 3761951.18, 220.00,
220.00, 0.00) DC
9TH HIGHEST VALUE IS 4.44362 AT (448497.89, 3762714.10, 228.11,
228.11, 0.00) DC
10TH HIGHEST VALUE IS 4.23387 AT (448081.42, 3761952.78, 220.91,
220.91, 0.00) DC

8LOAD 1ST HIGHEST VALUE IS 100.02588 AT (448462.73, 3762339.82, 224.57,
224.57, 0.00) DC
2ND HIGHEST VALUE IS 83.57344 AT (448480.49, 3762357.96, 224.76,
224.76, 0.00) DC
3RD HIGHEST VALUE IS 33.99634 AT (448464.47, 3762265.93, 223.32,
223.32, 0.00) DC
4TH HIGHEST VALUE IS 21.94552 AT (448507.91, 3762487.71, 225.77,
225.77, 0.00) DC
5TH HIGHEST VALUE IS 14.15260 AT (448461.57, 3762165.17, 221.96,
221.96, 0.00) DC
6TH HIGHEST VALUE IS 7.23201 AT (448472.57, 3762064.71, 220.00,
220.00, 0.00) DC
7TH HIGHEST VALUE IS 5.82180 AT (448460.48, 3762016.72, 219.38,
219.38, 0.00) DC
8TH HIGHEST VALUE IS 5.01014 AT (448234.63, 3761951.18, 220.00,
220.00, 0.00) DC
9TH HIGHEST VALUE IS 4.44375 AT (448497.89, 3762714.10, 228.11,
228.11, 0.00) DC
10TH HIGHEST VALUE IS 4.23389 AT (448081.42, 3761952.78, 220.91,
220.91, 0.00) DC

220.91, 0.00) DC

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*** AERMET - VERSION 16216 ***

09:18:50

PAGE 353

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

NETWORK

GROUP ID NETWORK AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

8REF 1ST HIGHEST VALUE IS 103.42381 AT (448462.73, 3762339.82, 224.57, 224.57, 0.00) DC
2ND HIGHEST VALUE IS 100.44727 AT (448480.49, 3762357.96, 224.76, 224.76, 0.00) DC
3RD HIGHEST VALUE IS 32.09261 AT (448464.47, 3762265.93, 223.32, 223.32, 0.00) DC
4TH HIGHEST VALUE IS 25.53921 AT (448507.91, 3762487.71, 225.77, 225.77, 0.00) DC
5TH HIGHEST VALUE IS 13.48818 AT (448461.57, 3762165.17, 221.96, 221.96, 0.00) DC
6TH HIGHEST VALUE IS 6.90908 AT (448472.57, 3762064.71, 220.00, 220.00, 0.00) DC
7TH HIGHEST VALUE IS 5.54143 AT (448460.48, 3762016.72, 219.38, 219.38, 0.00) DC
8TH HIGHEST VALUE IS 4.74438 AT (448497.89, 3762714.10, 228.11, 228.11, 0.00) DC
9TH HIGHEST VALUE IS 4.66227 AT (448234.63, 3761951.18, 220.00, 220.00, 0.00) DC
10TH HIGHEST VALUE IS 4.02498 AT (448081.42, 3761952.78, 220.91, 220.91, 0.00) DC

8SPILL 1ST HIGHEST VALUE IS 102.16181 AT (448480.49, 3762357.96, 224.76, 224.76, 0.00) DC
2ND HIGHEST VALUE IS 100.28846 AT (448462.73, 3762339.82, 224.57, 224.57, 0.00) DC
3RD HIGHEST VALUE IS 31.84360 AT (448464.47, 3762265.93, 223.32, 223.32, 0.00) DC
4TH HIGHEST VALUE IS 24.44277 AT (448507.91, 3762487.71, 225.77, 225.77, 0.00) DC
5TH HIGHEST VALUE IS 13.52618 AT (448461.57, 3762165.17, 221.96, 221.96, 0.00) DC
6TH HIGHEST VALUE IS 6.92052 AT (448472.57, 3762064.71, 220.00, 220.00, 0.00) DC
7TH HIGHEST VALUE IS 5.53860 AT (448460.48, 3762016.72, 219.38, 219.38, 0.00) DC
8TH HIGHEST VALUE IS 4.71099 AT (448497.89, 3762714.10, 228.11, 228.11, 0.00) DC
9TH HIGHEST VALUE IS 4.64763 AT (448234.63, 3761951.18, 220.00, 220.00, 0.00) DC
10TH HIGHEST VALUE IS 4.05958 AT (448081.42, 3761952.78, 220.91, 220.91, 0.00) DC

ALL 1ST HIGHEST VALUE IS 663.24059 AT (448462.73, 3762339.82, 224.57,

224.57, 0.00) DC
 2ND HIGHEST VALUE IS 651.11672 AT (448480.49, 3762357.96, 224.76,
 224.76, 0.00) DC
 3RD HIGHEST VALUE IS 499.71520 AT (448461.57, 3762165.17, 221.96,
 221.96, 0.00) DC
 4TH HIGHEST VALUE IS 472.00594 AT (448507.91, 3762487.71, 225.77,
 225.77, 0.00) DC
 5TH HIGHEST VALUE IS 443.40345 AT (448464.47, 3762265.93, 223.32,
 223.32, 0.00) DC
 6TH HIGHEST VALUE IS 338.03974 AT (446795.06, 3762321.03, 221.98,
 221.98, 0.00) DC
 7TH HIGHEST VALUE IS 271.07088 AT (446972.71, 3762434.34, 223.16,
 223.16, 0.00) DC
 8TH HIGHEST VALUE IS 270.20910 AT (446941.37, 3762434.58, 223.48,
 223.48, 0.00) DC
 9TH HIGHEST VALUE IS 268.85122 AT (446995.47, 3762433.65, 223.07,
 223.07, 0.00) DC
 10TH HIGHEST VALUE IS 259.73810 AT (446916.06, 3762436.90, 223.73,
 223.73, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14822 Rich Haven\AQIA\14822 Ops *** 10/19/22

*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 354

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN
 MICROGRAMS/M**3 **

GROUP ID	ZELEV, ZHILL, ZFLAG)	OF TYPE	AVERAGE CONC	DATE	RECEPTOR	NETWORK
			GRID-ID	(YYMMDDHH)	(XR, YR,	
10BBREAT	HIGH 1ST HIGH VALUE IS	221.96, 221.96, 0.00) DC	563.74993	ON 14120316: AT (448461.57, 3762165.17,		
10BLOAD	HIGH 1ST HIGH VALUE IS	221.96, 221.96, 0.00) DC	563.62000	ON 14120316: AT (448461.57, 3762165.17,		
10BREF	HIGH 1ST HIGH VALUE IS	221.96, 221.96, 0.00) DC	649.25962	ON 14120316: AT (448461.57, 3762165.17,		
10BSPILL	HIGH 1ST HIGH VALUE IS	221.96, 221.96, 0.00) DC	714.10432	ON 14120316: AT (448461.57, 3762165.17,		
1H25	HIGH 1ST HIGH VALUE IS	235.57, 235.57, 0.00) DC	67.40223	ON 12121716: AT (448481.33, 3763485.29,		
1MC100	HIGH 1ST HIGH VALUE IS	232.04, 232.04, 0.00) DC	96.82719	ON 12121716: AT (447675.51, 3763287.46,		
1OR15	HIGH 1ST HIGH VALUE IS		50.01039	ON 12062806: AT (447156.85, 3762430.16,		

** CONC OF OTHER IN
MICROGRAMS/M**3

**

GROUP ID	AVERAGE CONC				DATE	NETWORK	
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	(YYMMDDHH)	RECEPTOR	(XR, YR,		
5BLOAD	HIGH	1ST HIGH VALUE IS	91.52209	ON 15120517: AT (	447325.88,	3762454.31,	
224.52,	224.52,	0.00) DC					
5BREF	HIGH	1ST HIGH VALUE IS	122.72428	ON 14022724: AT (	447325.88,	3762454.31,	
224.52,	224.52,	0.00) DC					
5BSPILL	HIGH	1ST HIGH VALUE IS	151.82353	ON 14022724: AT (	447325.88,	3762454.31,	
224.52,	224.52,	0.00) DC					
5CBRE	HIGH	1ST HIGH VALUE IS	123.44308	ON 12110208: AT (	447326.58,	3762506.09,	
225.35,	225.35,	0.00) DC					
5CLOAD	HIGH	1ST HIGH VALUE IS	123.54652	ON 12110208: AT (	447326.58,	3762506.09,	
225.35,	225.35,	0.00) DC					
5CREF	HIGH	1ST HIGH VALUE IS	153.79824	ON 12110208: AT (	447327.51,	3762477.53,	
224.87,	224.87,	0.00) DC					
5CSPILL	HIGH	1ST HIGH VALUE IS	183.30310	ON 12110208: AT (	447327.51,	3762477.53,	
224.87,	224.87,	0.00) DC					
6AIDLE	HIGH	1ST HIGH VALUE IS	61.45870	ON 14120316: AT (	448497.89,	3762714.10,	
228.11,	228.11,	0.00) DC					
6AON	HIGH	1ST HIGH VALUE IS	74.79564	ON 15102517: AT (	448497.89,	3762714.10,	
228.11,	228.11,	0.00) DC					
6BBREAT	HIGH	1ST HIGH VALUE IS	295.57021	ON 14120316: AT (	448507.91,	3762487.71,	
225.77,	225.77,	0.00) DC					
6BLOAD	HIGH	1ST HIGH VALUE IS	295.53397	ON 14120316: AT (	448507.91,	3762487.71,	
225.77,	225.77,	0.00) DC					
6BREF	HIGH	1ST HIGH VALUE IS	345.54785	ON 12121716: AT (	448464.47,	3762265.93,	
223.32,	223.32,	0.00) DC					
6BSPILL	HIGH	1ST HIGH VALUE IS	400.94159	ON 12121716: AT (	448464.47,	3762265.93,	
223.32,	223.32,	0.00) DC					
8BREAT	HIGH	1ST HIGH VALUE IS	547.72832	ON 14120316: AT (	448462.73,	3762339.82,	
224.57,	224.57,	0.00) DC					
8LOAD	HIGH	1ST HIGH VALUE IS	547.59509	ON 14120316: AT (	448462.73,	3762339.82,	
224.57,	224.57,	0.00) DC					
8REF	HIGH	1ST HIGH VALUE IS	707.72139	ON 14120316: AT (	448462.73,	3762339.82,	
224.57,	224.57,	0.00) DC					
8SPILL	HIGH	1ST HIGH VALUE IS	793.46768	ON 14120316: AT (	448462.73,	3762339.82,	
224.57,	224.57,	0.00) DC					
ALL	HIGH	1ST HIGH VALUE IS	2958.28591	ON 15031523: AT (	446795.06,	3762321.03,	
221.98,	221.98,	0.00) DC					

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** AERMET - VERSION 16216 ***

*** 09:18:50

PAGE 356

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 18 Warning Message(s)
A Total of 1628 Informational Message(s)

A Total of 43848 Hours Were Processed
A Total of 1278 Calm Hours Identified
A Total of 350 Missing Hours Identified (0.80 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

ME W186	4149	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	4149	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
OU W565	4229	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4230	OUPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4231	OUPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4232	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4233	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4234	OUPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4235	OUPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4236	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4237	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4238	OUPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4239	OUPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4240	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4241	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4242	OUPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4243	OUPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	4244	PERPLT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE

*** AERMOD Finishes Successfully ***

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APPENDIX 2.4:
RISK CALCULATIONS

Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
0-2 Age Bin Exposure Scenario - Construction Activity

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³) (b)	(mg/m ³) (c)			URF (ug/m ³) ⁻¹ (f)	CPF (mg/kg/day) ⁻¹ (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m ³) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
		0.00259			2.59E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.0E-06	1.2E-06	5.0E+00	1.4E-03	5.2E-04				
TOTAL					1.2E-06				5.2E-04 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00									

1.21

** Key to Toxicological Endpoints

- RESP Respiratory System
- CNS/PNS Central/Peripheral Nervous System
- CV/BL Cardiovascular/Blood System
- IMMUN Immune System
- KIDN Kidney
- GI/LV Gastrointestinal System/Liver
- REPRO Reproductive System (e.g. teratogenic and developmental effects)
- EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

- exposure frequency (days/year) 260
- exposure duration (years) 4.00
- inhalation rate (L/kg-day) 1090
- inhalation absorption factor 1
- averaging time (years) 70
- fraction of time at home 1.00
- age sensitivity factor (0 to 2 years old) 10

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		447362.2	3764293	NonCancer	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	5.83E-03
2	ALL		447376	3764151	NonCancer	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	6.14E-03
3	ALL		447389.8	3764043	NonCancer	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03
4	ALL		447450.2	3764031	NonCancer	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	6.11E-03
5	ALL		447410.2	3764019	NonCancer	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	6.09E-03
6	ALL		446891.9	3764451	NonCancer	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	5.06E-03
7	ALL		446959.3	3764451	NonCancer	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	5.12E-03
8	ALL		446995.3	3764468	NonCancer	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	5.18E-03
9	ALL		447007.4	3764467	NonCancer	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	5.20E-03
10	ALL		447023.5	3764466	NonCancer	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	5.20E-03
11	ALL		447036.6	3764466	NonCancer	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	5.21E-03
12	ALL		447052.7	3764466	NonCancer	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.26E-03
13	ALL		447066.6	3764466	NonCancer	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	5.27E-03
14	ALL		447099.7	3764456	NonCancer	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	5.37E-03
15	ALL		447145.3	3764468	NonCancer	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	5.34E-03
16	ALL		447175.5	3764468	NonCancer	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.26E-03
17	ALL		447205.3	3764468	NonCancer	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	5.24E-03
18	ALL		447232.4	3764468	NonCancer	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	5.40E-03
19	ALL		447264	3764467	NonCancer	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	5.64E-03
20	ALL		447294.8	3764467	NonCancer	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	5.78E-03
21	ALL		447365	3764456	NonCancer	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	5.75E-03
22	ALL		447406.6	3764461	NonCancer	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	5.75E-03
23	ALL		447441.5	3764460	NonCancer	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	5.79E-03
24	ALL		447466.9	3764460	NonCancer	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	5.81E-03
25	ALL		447490	3764461	NonCancer	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	5.76E-03
26	ALL		447515.5	3764460	NonCancer	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	5.66E-03
27	ALL		447573.1	3764454	NonCancer	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	5.60E-03
28	ALL		447598.5	3764445	NonCancer	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	5.69E-03
29	ALL		447652.9	3764440	NonCancer	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	5.91E-03
30	ALL		447692.9	3764440	NonCancer	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	5.98E-03
31	ALL		447713.8	3764439	NonCancer	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	5.97E-03
32	ALL		447732	3764439	NonCancer	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	5.94E-03
33	ALL		447751.1	3764439	NonCancer	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	6.02E-03
34	ALL		447768.8	3764438	NonCancer	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	6.06E-03
35	ALL		447789.1	3764438	NonCancer	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	6.12E-03
36	ALL		447805.7	3764437	NonCancer	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	6.15E-03
37	ALL		447824	3764437	NonCancer	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	6.11E-03
38	ALL		447841.6	3764438	NonCancer	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	6.13E-03
39	ALL		447861.7	3764438	NonCancer	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03
40	ALL		447881.7	3764435	NonCancer	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	6.10E-03
41	ALL		447902.8	3764436	NonCancer	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	6.13E-03
42	ALL		447920.9	3764435	NonCancer	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	6.12E-03
43	ALL		447942.2	3764435	NonCancer	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	6.08E-03
44	ALL		447962.8	3764435	NonCancer	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03
45	ALL		447980.7	3764435	NonCancer	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	6.06E-03
46	ALL		448004.7	3764435	NonCancer	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	6.02E-03
47	ALL		448021.3	3764435	NonCancer	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	5.92E-03
48	ALL		447662.7	3764380	NonCancer	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	6.25E-03
49	ALL		447681.3	3764321	NonCancer	0.00E+00	0.00E+													

219 ALL	446941.4	3762435	NonCancer	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	2.74E-02
220 ALL	446916.1	3762437	NonCancer	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	3.45E-02
221 ALL	446876.4	3762437	NonCancer	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	3.37E-02
222 ALL	446848.9	3762647	NonCancer	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	9.46E-03
223 ALL	446848.9	3762563	NonCancer	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	1.24E-02
224 ALL	446849.2	3762510	NonCancer	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	1.62E-02
225 ALL	446849.2	3762456	NonCancer	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	2.47E-02
226 ALL	446848.9	3762702	NonCancer	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	9.47E-03
227 ALL	446849.5	3762755	NonCancer	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	8.64E-03
228 ALL	446739.8	3762429	NonCancer	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	1.68E-02
229 ALL	446711.8	3762424	NonCancer	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	1.44E-02
230 ALL	446687.3	3762416	NonCancer	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	1.30E-02
231 ALL	446662.2	3762412	NonCancer	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	1.16E-02
232 ALL	446636.2	3762404	NonCancer	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.05E-02
233 ALL	449981.7	3762732	NonCancer	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	2.17E-03
234 ALL	446486.8	3762232	NonCancer	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	6.31E-03
235 ALL	446262	3762068	NonCancer	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	3.90E-03
236 ALL	446443.2	3762292	NonCancer	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	5.92E-03
237 ALL	446071.8	3762055	NonCancer	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	3.10E-03
238 ALL	446072.1	3761983	NonCancer	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	3.02E-03
239 ALL	446138.2	3762002	NonCancer	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	3.26E-03
240 ALL	445884.9	3762040	NonCancer	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	2.58E-03

*HARP - HRACalc v22118 10/19/2022 12:38:47 PM - Chronic Risk - Input File: C:\Users\Michael Tirohn\Desktop\HRAS\14822 Rich Haven\HARP\14822 OPS\hra\ResidentHRAInput.hrc

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE/RESP	SKIN	EYE	BONE/TEE/ENDO	BLOOD	ODOR	GENERAL	MAXHI		
1	ALL		447362.2	3764293	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.47E-07	3.47E-07	3.47E-07	7.77E-05	0.00E+00	0.00E+00	0.00E+00	3.47E-07	2.51E-04	0.00E+00	0.00E+00	2.51E-04
2	ALL		447376	3764151	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.97E-07	3.97E-07	3.97E-07	9.45E-05	0.00E+00	0.00E+00	0.00E+00	3.97E-07	2.87E-04	0.00E+00	0.00E+00	2.87E-04
3	ALL		447389.8	3764043	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.51E-07	4.51E-07	4.51E-07	1.18E-04	0.00E+00	0.00E+00	0.00E+00	4.51E-07	3.25E-04	0.00E+00	0.00E+00	3.25E-04
4	ALL		447450.2	3764031	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.67E-07	4.67E-07	4.67E-07	1.24E-04	0.00E+00	0.00E+00	0.00E+00	4.67E-07	3.37E-04	0.00E+00	0.00E+00	3.37E-04
5	ALL		447410.2	3764019	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.66E-07	4.66E-07	4.66E-07	1.25E-04	0.00E+00	0.00E+00	0.00E+00	4.66E-07	3.36E-04	0.00E+00	0.00E+00	3.36E-04
6	ALL		446891.9	3764451	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.72E-07	2.72E-07	2.72E-07	5.46E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-07	1.97E-04	0.00E+00	0.00E+00	1.97E-04
7	ALL		446959.3	3764451	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.77E-07	2.77E-07	5.61E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.01E-04	0.00E+00	0.00E+00	2.01E-04
8	ALL		446995.3	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.75E-07	2.75E-07	2.75E-07	5.58E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-07	1.99E-04	0.00E+00	0.00E+00	1.99E-04
9	ALL		447007.4	3764467	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.75E-07	2.75E-07	2.75E-07	5.60E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-07	1.99E-04	0.00E+00	0.00E+00	1.99E-04
10	ALL		447023.5	3764466	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.76E-07	2.76E-07	2.76E-07	5.64E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-07	2.00E-04	0.00E+00	0.00E+00	2.00E-04
11	ALL		447036.6	3764466	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.77E-07	2.77E-07	5.67E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.00E-04	0.00E+00	0.00E+00	2.00E-04
12	ALL		447052.7	3764466	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.77E-07	2.77E-07	5.70E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.01E-04	0.00E+00	0.00E+00	2.01E-04
13	ALL		447066.6	3764466	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.77E-07	2.77E-07	5.72E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.01E-04	0.00E+00	0.00E+00	2.01E-04
14	ALL		447099.7	3764456	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.81E-07	2.81E-07	5.84E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.04E-04	0.00E+00	0.00E+00	2.04E-04
15	ALL		447145.3	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.81E-07	2.81E-07	5.88E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.04E-04	0.00E+00	0.00E+00	2.04E-04
16	ALL		447175.5	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.85E-07	2.85E-07	2.85E-07	5.99E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-07	2.07E-04	0.00E+00	0.00E+00	2.07E-04
17	ALL		447205.3	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.89E-07	2.89E-07	2.89E-07	6.09E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-07	2.09E-04	0.00E+00	0.00E+00	2.09E-04
18	ALL		447232.4	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.88E-07	2.88E-07	2.88E-07	6.09E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-07	2.09E-04	0.00E+00	0.00E+00	2.09E-04
19	ALL		447264	3764467	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.85E-07	2.85E-07	2.85E-07	6.03E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-07	2.07E-04	0.00E+00	0.00E+00	2.07E-04
20	ALL		447294.8	3764467	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.86E-07	2.86E-07	2.86E-07	6.04E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-07	2.07E-04	0.00E+00	0.00E+00	2.07E-04
21	ALL		447365	3764456	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.96E-07	2.96E-07	2.96E-07	6.30E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-07	2.15E-04	0.00E+00	0.00E+00	2.15E-04
22	ALL		447406.6	3764461	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.00E-07	3.00E-07	3.00E-07	6.38E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-07	2.17E-04	0.00E+00	0.00E+00	2.17E-04
23	ALL		447441.5	3764460	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.02E-07	3.02E-07	3.02E-07	6.45E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-07	2.19E-04	0.00E+00	0.00E+00	2.19E-04
24	ALL		447466.9	3764460	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.04E-07	3.04E-07	3.04E-07	6.50E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-07	2.20E-04	0.00E+00	0.00E+00	2.20E-04
25	ALL		447490	3764461	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.06E-07	3.06E-07	3.06E-07	6.58E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-07	2.22E-04	0.00E+00	0.00E+00	2.22E-04
26	ALL		447515.5	3764460	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.09E-07	3.09E-07	3.09E-07	6.67E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-07	2.24E-04	0.00E+00	0.00E+00	2.24E-04
27	ALL		447573.1	3764454	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.17E-07	3.17E-07	3.17E-07	6.95E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
28	ALL		447598.5	3764445	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.19E-07	3.19E-07	3.19E-07	7.05E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-07	2.31E-04	0.00E+00	0.00E+00	2.31E-04
29	ALL		447652.9	3764440	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.08E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
30	ALL		447692.9	3764440	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.19E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
31	ALL		447713.8	3764439	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.25E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
32	ALL		447732	3764439	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.29E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
33	ALL		447751.1	3764439	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.34E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
34	ALL		447768.8	3764438	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.38E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
35	ALL		447789.1	3764438	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.42E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
36	ALL		447805.7	3764437	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.46E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
37	ALL		447824	3764437	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.51E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
38	ALL		447841.6	3764438	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.56E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
39	ALL		447861.7	3764438	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.64E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.30E-04	0.00E+00	0.00E+00	2.30E-04
40	ALL		447881.7	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.17E-07	3.17E-07	3.17E-07	7.74E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-07	2.31E-04	0.00E+00	0.00E+00	2.31E-04
41	ALL		447902.8	3764436	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.17E-07	3.17E-07	3.17E-07	7.81E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-07	2.31E-04	0.00E+00	0.00E+00	2.31E-04
42	ALL		447920.9	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.18E-07	3.18E-07	3.18E-07	7.89E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-07	2.32E-04	0.00E+00	0.00E+00	2.32E-04
43	ALL		447942.2	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.20E-07	3.20E-07	3.20E-07	7.98E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-07	2.33E-04	0.00E+00	0.00E+00	2.33E-04
44	ALL		447962.8	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.21E-07	3.21E-07	3.21E-07	8.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-07	2.34E-04	0.00E+00	0.00E+00	2.34E-04
45	ALL		447980.7	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.23E-07	3.23E-07	3.23E-07	8.16E-05	0.00E+00	0.00E+00	0.00E+00	3.23E-07	2.35E-04	0.00E+00	0.00E+00	2.35E-04
46	ALL		448004.7	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.26E-07	3.26E-07	3.26E-07	8.31E-05	0.00E+00	0.00E+00	0.00E+00	3.26E-07	2.37E-04	0.00E+00	0.00E+00	2.37E-04
47	ALL		448021.3	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.31E-07	3.31E-07	3.31E-07	8.48E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-07	2.41E-04	0.00E+00	0.00E+00	2.41E-04
48	ALL		447662.7	3764380	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.27E-07	3.27E-07	3.27E-07	7.49E-05	0.00E+00	0.00E+00	0.00E+00	3.27E-07	2.37E-04	0.00E+00	0.00E+00	2.37E-04
49	ALL		447681.3	3764321	NonCancer	0.00E+00	0.00E+00	0.00E+												

54 ALL	447681	3764146	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.27E-07	4.27E-07	4.27E-07	1.08E-04	0.00E+00	0.00E+00	0.00E+00	4.27E-07	3.09E-04	0.00E+00	0.00E+00	3.09E-04
55 ALL	447679.6	3764130	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.36E-07	4.36E-07	4.36E-07	1.12E-04	0.00E+00	0.00E+00	0.00E+00	4.36E-07	3.16E-04	0.00E+00	0.00E+00	3.16E-04
56 ALL	447680.8	3764112	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.46E-07	4.46E-07	4.46E-07	1.17E-04	0.00E+00	0.00E+00	0.00E+00	4.46E-07	3.23E-04	0.00E+00	0.00E+00	3.23E-04
57 ALL	447681.5	3764096	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.55E-07	4.55E-07	4.55E-07	1.20E-04	0.00E+00	0.00E+00	0.00E+00	4.55E-07	3.29E-04	0.00E+00	0.00E+00	3.29E-04
58 ALL	447680.8	3764079	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.63E-07	4.63E-07	4.63E-07	1.24E-04	0.00E+00	0.00E+00	0.00E+00	4.63E-07	3.35E-04	0.00E+00	0.00E+00	3.35E-04
59 ALL	447680	3764064	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.69E-07	4.69E-07	4.69E-07	1.26E-04	0.00E+00	0.00E+00	0.00E+00	4.69E-07	3.39E-04	0.00E+00	0.00E+00	3.39E-04
60 ALL	447681	3764046	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.77E-07	4.77E-07	4.77E-07	1.30E-04	0.00E+00	0.00E+00	0.00E+00	4.77E-07	3.45E-04	0.00E+00	0.00E+00	3.45E-04
61 ALL	447680.6	3764030	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.83E-07	4.83E-07	4.83E-07	1.33E-04	0.00E+00	0.00E+00	0.00E+00	4.83E-07	3.50E-04	0.00E+00	0.00E+00	3.50E-04
62 ALL	447657.2	3763992	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.00E-07	5.00E-07	5.00E-07	1.42E-04	0.00E+00	0.00E+00	0.00E+00	5.00E-07	3.62E-04	0.00E+00	0.00E+00	3.62E-04
63 ALL	447656.3	3763967	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.11E-07	5.11E-07	5.11E-07	1.47E-04	0.00E+00	0.00E+00	0.00E+00	5.11E-07	3.70E-04	0.00E+00	0.00E+00	3.70E-04
64 ALL	447657.2	3763929	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.30E-07	5.30E-07	5.30E-07	1.57E-04	0.00E+00	0.00E+00	0.00E+00	5.30E-07	3.83E-04	0.00E+00	0.00E+00	3.83E-04
65 ALL	447657.2	3763902	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.43E-07	5.43E-07	5.43E-07	1.65E-04	0.00E+00	0.00E+00	0.00E+00	5.43E-07	3.93E-04	0.00E+00	0.00E+00	3.93E-04
66 ALL	447657.5	3763869	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.65E-07	5.65E-07	5.65E-07	1.79E-04	0.00E+00	0.00E+00	0.00E+00	5.65E-07	4.08E-04	0.00E+00	0.00E+00	4.08E-04
67 ALL	447656.2	3763835	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.84E-07	5.84E-07	5.84E-07	1.93E-04	0.00E+00	0.00E+00	0.00E+00	5.84E-07	4.23E-04	0.00E+00	0.00E+00	4.23E-04
68 ALL	447655.9	3763808	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.99E-07	5.99E-07	5.99E-07	2.04E-04	0.00E+00	0.00E+00	0.00E+00	5.99E-07	4.33E-04	0.00E+00	0.00E+00	4.33E-04
69 ALL	447657.1	3763786	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.12E-07	6.12E-07	6.12E-07	2.16E-04	0.00E+00	0.00E+00	0.00E+00	6.12E-07	4.43E-04	0.00E+00	0.00E+00	4.43E-04
70 ALL	447701.2	3763782	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.18E-07	6.18E-07	6.18E-07	2.19E-04	0.00E+00	0.00E+00	0.00E+00	6.18E-07	4.47E-04	0.00E+00	0.00E+00	4.47E-04
71 ALL	447856.9	3763750	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.86E-07	6.86E-07	6.86E-07	2.51E-04	0.00E+00	0.00E+00	0.00E+00	6.86E-07	4.96E-04	0.00E+00	0.00E+00	4.96E-04
72 ALL	447855	3763730	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.04E-07	7.04E-07	7.04E-07	2.65E-04	0.00E+00	0.00E+00	0.00E+00	7.04E-07	5.09E-04	0.00E+00	0.00E+00	5.09E-04
73 ALL	447854.4	3763698	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.35E-07	7.35E-07	7.35E-07	2.90E-04	0.00E+00	0.00E+00	0.00E+00	7.35E-07	5.31E-04	0.00E+00	0.00E+00	5.31E-04
74 ALL	447855.3	3763677	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.57E-07	7.57E-07	7.57E-07	3.09E-04	0.00E+00	0.00E+00	0.00E+00	7.57E-07	5.47E-04	0.00E+00	0.00E+00	5.47E-04
75 ALL	447675.5	3763287	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.32E-06	1.32E-06	1.32E-06	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.32E-06	9.53E-04	0.00E+00	0.00E+00	1.18E-03
76 ALL	448481.3	3763485	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.05E-06	1.05E-06	5.48E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-06	7.65E-04	0.00E+00	0.00E+00	7.65E-04
77 ALL	448480	3763196	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.90E-06	1.90E-06	7.14E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.39E-03	0.00E+00	0.00E+00	1.39E-03
78 ALL	448478.6	3762907	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.08E-06	4.08E-06	4.08E-06	1.40E-03	0.00E+00	0.00E+00	0.00E+00	4.08E-06	3.00E-03	0.00E+00	0.00E+00	3.00E-03
79 ALL	448497.9	3762714	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.62E-06	7.62E-06	7.62E-06	1.39E-03	0.00E+00	0.00E+00	0.00E+00	7.62E-06	5.60E-03	0.00E+00	0.00E+00	5.60E-03
80 ALL	448507.9	3762488	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.47E-05	3.47E-05	3.47E-05	1.67E-03	0.00E+00	0.00E+00	0.00E+00	3.47E-05	2.43E-02	0.00E+00	0.00E+00	2.43E-02
81 ALL	448480.5	3762358	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.58E-05	4.58E-05	4.58E-05	2.06E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	3.26E-02	0.00E+00	0.00E+00	3.26E-02
82 ALL	448462.7	3762340	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.66E-05	4.66E-05	4.66E-05	1.89E-03	0.00E+00	0.00E+00	0.00E+00	4.66E-05	3.41E-02	0.00E+00	0.00E+00	3.41E-02
83 ALL	448464.5	3762266	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.29E-05	3.29E-05	3.29E-05	1.28E-03	0.00E+00	0.00E+00	0.00E+00	3.29E-05	2.39E-02	0.00E+00	0.00E+00	2.39E-02
84 ALL	448461.6	3762165	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.71E-05	3.71E-05	3.71E-05	1.26E-03	0.00E+00	0.00E+00	0.00E+00	3.71E-05	2.74E-02	0.00E+00	0.00E+00	2.74E-02
85 ALL	448472.6	3762065	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.15E-05	1.15E-05	1.15E-05	5.38E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-05	8.44E-03	0.00E+00	0.00E+00	8.44E-03
86 ALL	448460.5	3762017	NonCancer	0.00E+00	0.00E+00	0.00E+00	8.90E-06	8.90E-06	8.90E-06	4.50E-04	0.00E+00	0.00E+00	0.00E+00	8.90E-06	6.52E-03	0.00E+00	0.00E+00	6.52E-03
87 ALL	448234.6	3761951	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.35E-06	7.35E-06	7.35E-06	4.12E-04	0.00E+00	0.00E+00	0.00E+00	7.35E-06	5.42E-03	0.00E+00	0.00E+00	5.42E-03
88 ALL	448081.4	3761953	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.71E-06	5.71E-06	5.71E-06	3.86E-04	0.00E+00	0.00E+00	0.00E+00	5.71E-06	4.19E-03	0.00E+00	0.00E+00	4.19E-03
89 ALL	448025.5	3761956	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.21E-06	5.21E-06	5.21E-06	3.78E-04	0.00E+00	0.00E+00	0.00E+00	5.21E-06	3.83E-03	0.00E+00	0.00E+00	3.83E-03
90 ALL	447506.8	3761968	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.20E-06	4.20E-06	4.20E-06	3.50E-04	0.00E+00	0.00E+00	0.00E+00	4.20E-06	3.09E-03	0.00E+00	0.00E+00	3.09E-03
91 ALL	447269.3	3761968	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.72E-06	3.72E-06	3.72E-06	3.08E-04	0.00E+00	0.00E+00	0.00E+00	3.72E-06	2.73E-03	0.00E+00	0.00E+00	2.73E-03
92 ALL	447389.5	3761909	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.51E-06	3.51E-06	3.51E-06	2.99E-04	0.00E+00	0.00E+00	0.00E+00	3.51E-06	2.58E-03	0.00E+00	0.00E+00	2.58E-03
93 ALL	447019.1	3761964	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.11E-06	3.11E-06	3.11E-06	2.56E-04	0.00E+00	0.00E+00	0.00E+00	3.11E-06	2.29E-03	0.00E+00	0.00E+00	2.29E-03
94 ALL	447060.3	3761964	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-06	3.16E-06	3.16E-06	2.63E-04	0.00E+00	0.00E+00	0.00E+00	3.16E-06	2.33E-03	0.00E+00	0.00E+00	2.33E-03
95 ALL	446975.3	3761963	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.05E-06	3.05E-06	3.05E-06	2.49E-04	0.00E+00	0.00E+00	0.00E+00	3.05E-06	2.25E-03	0.00E+00	0.00E+00	2.25E-03
96 ALL	446940.9	3761954	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.94E-06	2.94E-06	2.94E-06	2.40E-04	0.00E+00	0.00E+00	0.00E+00	2.94E-06	2.17E-03	0.00E+00	0.00E+00	2.17E-03
97 ALL	446865.7	3761975	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.01E-06	3.01E-06	3.01E-06	2.36E-04	0.00E+00	0.00E+00	0.00E+00	3.01E-06	2.22E-03	0.00E+00	0.00E+00	2.22E-03
98 ALL	446795.1	3761958	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.76E-06	2.76E-06	2.19E-04	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.04E-03	0.00E+00	0.00E+00	2.04E-03
99 ALL	446757.7	3761966	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.76E-06	2.76E-06	2.16E-04	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.04E-03	0.00E+00	0.00E+00	2.04E-03
100 ALL	446709.3	3761968	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.68E-06	2.68E-06	2.68E-06	2.09E-04	0.00E+00	0.00E+00	0.00E+00	2.68E-06	1.97E-03	0.00E+00	0.00E+00	1.97E-03
101 ALL	446796.4	3762029	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.47E-06	3.47E-06	3.47E-06	2.48E-04	0.00E+00	0.00E+00	0.00E+00	3.47E-06	2.56E-03	0.00E+00	0.00E+00	2.56E-03
102 ALL	446797	3762045	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.70E-06	3.70E-06	3.70E-06	2.57E-04	0.00E+00	0.00E+00	0.00E+00	3.70E-06	2.74E-03	0.00E+00	0.00E+00	2.74E-03
103 ALL	446796.7	3762090	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.54E-06	4.54E-06	4.54E-06	2.87E-04	0.00E+00	0.00E+00	0.00E+00	4.54E-06	3.36E-03	0.00E+00	0.00E+00	3.36E-03
104 ALL	446796.2	3762106	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.95E-06	4.95E-06	4.95E-06	3.01E-04	0.00E+00	0.00E+00	0.00E+00	4.95E-06	3.67E-03	0.00E+00	0.00E+00	3.67E-03
105 ALL	446796.7	3762137	NonCancer	0.00E+00	0.0													

109 ALL	446796.4	3762451	NonCancer	0.00E+00	0.00E+00	0.00E+00	9.74E-06	9.74E-06	9.74E-06	5.39E-04	0.00E+00	0.00E+00	0.00E+00	9.74E-06	6.90E-03	0.00E+00	0.00E+00	6.90E-03
110 ALL	446796.4	3762471	NonCancer	0.00E+00	0.00E+00	0.00E+00	8.01E-06	8.01E-06	8.01E-06	4.68E-04	0.00E+00	0.00E+00	0.00E+00	8.01E-06	5.71E-03	0.00E+00	0.00E+00	5.71E-03
111 ALL	446797.2	3762496	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.51E-06	6.51E-06	6.51E-06	4.12E-04	0.00E+00	0.00E+00	0.00E+00	6.51E-06	4.66E-03	0.00E+00	0.00E+00	4.66E-03
112 ALL	446798.1	3762517	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.61E-06	5.61E-06	5.61E-06	3.80E-04	0.00E+00	0.00E+00	0.00E+00	5.61E-06	4.03E-03	0.00E+00	0.00E+00	4.03E-03
113 ALL	446797.8	3762540	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.80E-06	4.80E-06	4.80E-06	3.53E-04	0.00E+00	0.00E+00	0.00E+00	4.80E-06	3.46E-03	0.00E+00	0.00E+00	3.46E-03
114 ALL	446797.5	3762560	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.27E-06	4.27E-06	4.27E-06	3.35E-04	0.00E+00	0.00E+00	0.00E+00	4.27E-06	3.08E-03	0.00E+00	0.00E+00	3.08E-03
115 ALL	446798.6	3762585	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.77E-06	3.77E-06	3.77E-06	3.19E-04	0.00E+00	0.00E+00	0.00E+00	3.77E-06	2.73E-03	0.00E+00	0.00E+00	2.73E-03
116 ALL	446798.1	3762604	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.44E-06	3.44E-06	3.44E-06	3.09E-04	0.00E+00	0.00E+00	0.00E+00	3.44E-06	2.49E-03	0.00E+00	0.00E+00	2.49E-03
117 ALL	446799.7	3762654	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.83E-06	2.83E-06	2.83E-06	2.91E-04	0.00E+00	0.00E+00	0.00E+00	2.83E-06	2.06E-03	0.00E+00	0.00E+00	2.06E-03
118 ALL	446800.0	3762675	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.61E-06	2.61E-06	2.61E-06	2.85E-04	0.00E+00	0.00E+00	0.00E+00	2.61E-06	1.85E-03	0.00E+00	0.00E+00	1.85E-03
119 ALL	446800.3	3762700	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.37E-06	2.37E-06	2.37E-06	2.77E-04	0.00E+00	0.00E+00	0.00E+00	2.37E-06	1.69E-03	0.00E+00	0.00E+00	1.69E-03
120 ALL	446800.3	3762721	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.23E-06	2.23E-06	2.23E-06	2.73E-04	0.00E+00	0.00E+00	0.00E+00	2.23E-06	1.59E-03	0.00E+00	0.00E+00	1.59E-03
121 ALL	446800.0	3762736	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.14E-06	2.14E-06	2.14E-06	2.71E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-06	1.53E-03	0.00E+00	0.00E+00	1.53E-03
122 ALL	446797.8	3762748	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.07E-06	2.07E-06	2.07E-06	2.68E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03
123 ALL	446802.2	3762913	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.51E-06	1.51E-06	1.51E-06	2.53E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03
124 ALL	446802.2	3762933	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.46E-06	1.46E-06	1.46E-06	2.52E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03
125 ALL	446802.4	3762949	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.42E-06	1.42E-06	1.42E-06	2.50E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03
126 ALL	446803.3	3762967	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.39E-06	1.39E-06	1.39E-06	2.49E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-06	9.95E-04	0.00E+00	0.00E+00	9.95E-04
127 ALL	446802.7	3762986	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.34E-06	1.34E-06	1.34E-06	2.47E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-06	9.65E-04	0.00E+00	0.00E+00	9.65E-04
128 ALL	446802.2	3763003	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.30E-06	1.30E-06	1.30E-06	2.44E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-06	9.36E-04	0.00E+00	0.00E+00	9.36E-04
129 ALL	446802.2	3763022	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.26E-06	1.26E-06	1.26E-06	2.42E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-06	9.08E-04	0.00E+00	0.00E+00	9.08E-04
130 ALL	446802.7	3763041	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.22E-06	1.22E-06	1.22E-06	2.40E-04	0.00E+00	0.00E+00	0.00E+00	1.22E-06	8.77E-04	0.00E+00	0.00E+00	8.77E-04
131 ALL	446803.3	3763059	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.18E-06	1.18E-06	1.18E-06	2.38E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-06	8.45E-04	0.00E+00	0.00E+00	8.45E-04
132 ALL	446803.5	3763077	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.15E-06	1.15E-06	2.36E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-06	8.22E-04	0.00E+00	0.00E+00	8.22E-04
133 ALL	446756.3	3763085	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.12E-06	1.12E-06	2.16E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-06	8.02E-04	0.00E+00	0.00E+00	8.02E-04
134 ALL	446807.7	3763646	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.45E-07	5.45E-07	5.45E-07	1.37E-04	0.00E+00	0.00E+00	0.00E+00	5.45E-07	3.92E-04	0.00E+00	0.00E+00	3.92E-04
135 ALL	446808.3	3763675	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.30E-07	5.30E-07	5.30E-07	1.33E-04	0.00E+00	0.00E+00	0.00E+00	5.30E-07	3.82E-04	0.00E+00	0.00E+00	3.82E-04
136 ALL	446807.7	3763695	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.20E-07	5.20E-07	5.20E-07	1.29E-04	0.00E+00	0.00E+00	0.00E+00	5.20E-07	3.74E-04	0.00E+00	0.00E+00	3.74E-04
137 ALL	446808.3	3763711	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.13E-07	5.13E-07	5.13E-07	1.27E-04	0.00E+00	0.00E+00	0.00E+00	5.13E-07	3.69E-04	0.00E+00	0.00E+00	3.69E-04
138 ALL	446808.3	3763726	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.05E-07	5.05E-07	5.05E-07	1.25E-04	0.00E+00	0.00E+00	0.00E+00	5.05E-07	3.64E-04	0.00E+00	0.00E+00	3.64E-04
139 ALL	446808.3	3763742	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.99E-07	4.99E-07	4.99E-07	1.22E-04	0.00E+00	0.00E+00	0.00E+00	4.99E-07	3.59E-04	0.00E+00	0.00E+00	3.59E-04
140 ALL	446808.3	3763757	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.92E-07	4.92E-07	4.92E-07	1.20E-04	0.00E+00	0.00E+00	0.00E+00	4.92E-07	3.54E-04	0.00E+00	0.00E+00	3.54E-04
141 ALL	446808.6	3763798	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.72E-07	4.72E-07	4.72E-07	1.14E-04	0.00E+00	0.00E+00	0.00E+00	4.72E-07	3.40E-04	0.00E+00	0.00E+00	3.40E-04
142 ALL	446810.3	3764484	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.60E-07	2.60E-07	2.60E-07	5.11E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-07	1.89E-04	0.00E+00	0.00E+00	1.89E-04
143 ALL	446781.3	3764475	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.60E-07	2.60E-07	2.60E-07	5.08E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-07	1.88E-04	0.00E+00	0.00E+00	1.88E-04
144 ALL	446722.6	3764456	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.59E-07	2.59E-07	2.59E-07	5.04E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-07	1.88E-04	0.00E+00	0.00E+00	1.88E-04
145 ALL	446170.3	3764560	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.08E-07	2.08E-07	2.08E-07	3.62E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04
146 ALL	446872.3	3763190	NonCancer	0.00E+00	0.00E+00	0.00E+00	9.75E-07	9.75E-07	9.75E-07	2.52E-04	0.00E+00	0.00E+00	0.00E+00	9.75E-07	6.99E-04	0.00E+00	0.00E+00	6.99E-04
147 ALL	446925.2	3763179	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.02E-06	1.02E-06	1.02E-06	2.88E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-06	7.33E-04	0.00E+00	0.00E+00	7.33E-04
148 ALL	446984.9	3763195	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.05E-06	1.05E-06	3.38E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-06	7.55E-04	0.00E+00	0.00E+00	7.55E-04
149 ALL	447010.6	3763193	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.07E-06	1.07E-06	3.65E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-06	7.66E-04	0.00E+00	0.00E+00	7.66E-04
150 ALL	447036.6	3763194	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.09E-06	1.09E-06	3.98E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-06	7.82E-04	0.00E+00	0.00E+00	7.82E-04
151 ALL	447053.6	3763193	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.10E-06	1.10E-06	4.23E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-06	7.92E-04	0.00E+00	0.00E+00	7.92E-04
152 ALL	447076.4	3763192	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.12E-06	1.12E-06	4.61E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-06	8.06E-04	0.00E+00	0.00E+00	8.06E-04
153 ALL	447093.5	3763193	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.13E-06	1.13E-06	4.92E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-06	8.13E-04	0.00E+00	0.00E+00	8.13E-04
154 ALL	447122.1	3763193	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.17E-06	1.17E-06	5.58E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-06	8.35E-04	0.00E+00	0.00E+00	8.35E-04
155 ALL	447138.8	3763192	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.18E-06	1.18E-06	1.18E-06	6.04E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-06	8.48E-04	0.00E+00	0.00E+00	8.48E-04
156 ALL	447168.0	3763192	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.21E-06	1.21E-06	1.21E-06	6.98E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-06	8.68E-04	0.00E+00	0.00E+00	8.68E-04
157 ALL	447170.7	3763172	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.26E-06	1.26E-06	1.26E-06	7.07E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-06	9.00E-04	0.00E+00	0.00E+00	9.00E-04
158 ALL	447170.4	3763158	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.29E-06	1.29E-06	1.29E-06	7.05E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-06	9.22E-04	0.00E+00	0.00E+00	9.22E-04
159 ALL	447169.3	3763145	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.31E-06	1.31E-06	1.31E-06	7.01E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-06	9.40E-04	0.00E+00	0.00E+00	9.40E-04

164 ALL	447148.6	3763020 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.61E-06	1.61E-06	1.61E-06	6.33E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03
165 ALL	447148.6	3762997 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.69E-06	1.69E-06	1.69E-06	6.30E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-06	1.21E-03	0.00E+00	0.00E+00	1.21E-03
166 ALL	447206.1	3762958 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.95E-06	1.95E-06	1.95E-06	8.13E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-06	1.40E-03	0.00E+00	0.00E+00	1.40E-03
167 ALL	447209.3	3762923 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.13E-06	2.13E-06	2.13E-06	7.83E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-06	1.54E-03	0.00E+00	0.00E+00	1.54E-03
168 ALL	447208.4	3762891 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.28E-06	2.28E-06	2.28E-06	7.39E-04	0.00E+00	0.00E+00	0.00E+00	2.28E-06	1.65E-03	0.00E+00	0.00E+00	1.65E-03
169 ALL	447145.8	3762889 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.15E-06	2.15E-06	2.15E-06	5.86E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-06	1.56E-03	0.00E+00	0.00E+00	1.56E-03
170 ALL	447122.6	3762889 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.10E-06	2.10E-06	2.10E-06	5.43E-04	0.00E+00	0.00E+00	0.00E+00	2.10E-06	1.52E-03	0.00E+00	0.00E+00	1.52E-03
171 ALL	447094.3	3762890 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.04E-06	2.04E-06	2.04E-06	4.98E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03
172 ALL	447071	3762890 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.00E-06	2.00E-06	2.00E-06	4.65E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-06	1.44E-03	0.00E+00	0.00E+00	1.44E-03
173 ALL	447043.6	3762890 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.95E-06	1.95E-06	1.95E-06	4.32E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-06	1.41E-03	0.00E+00	0.00E+00	1.41E-03
174 ALL	447017.8	3762889 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.90E-06	1.90E-06	4.04E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.37E-03	0.00E+00	0.00E+00	1.37E-03
175 ALL	446992.1	3762889 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.86E-06	1.86E-06	1.86E-06	3.79E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-06	1.34E-03	0.00E+00	0.00E+00	1.34E-03
176 ALL	446964.3	3762888 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.81E-06	1.81E-06	1.81E-06	3.55E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-06	1.30E-03	0.00E+00	0.00E+00	1.30E-03
177 ALL	446940.4	3762888 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.78E-06	1.78E-06	1.78E-06	3.36E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-06	1.28E-03	0.00E+00	0.00E+00	1.28E-03
178 ALL	446911.2	3762888 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.74E-06	1.74E-06	1.74E-06	3.16E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-06	1.25E-03	0.00E+00	0.00E+00	1.25E-03
179 ALL	446885.4	3762890 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.69E-06	1.69E-06	1.69E-06	3.00E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03
180 ALL	446862.1	3762889 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.66E-06	1.66E-06	1.66E-06	2.86E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03
181 ALL	446871.5	3762780 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.09E-06	2.09E-06	2.09E-06	3.01E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-06	1.50E-03	0.00E+00	0.00E+00	1.50E-03
182 ALL	446926.3	3762769 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.27E-06	2.27E-06	2.27E-06	3.35E-04	0.00E+00	0.00E+00	0.00E+00	2.27E-06	1.63E-03	0.00E+00	0.00E+00	1.63E-03
183 ALL	446983.7	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.37E-06	2.37E-06	2.37E-06	3.76E-04	0.00E+00	0.00E+00	0.00E+00	2.37E-06	1.70E-03	0.00E+00	0.00E+00	1.70E-03
184 ALL	447009	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.43E-06	2.43E-06	2.43E-06	3.97E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-06	1.75E-03	0.00E+00	0.00E+00	1.75E-03
185 ALL	447030.5	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.50E-06	2.50E-06	2.50E-06	4.17E-04	0.00E+00	0.00E+00	0.00E+00	2.50E-06	1.80E-03	0.00E+00	0.00E+00	1.80E-03
186 ALL	447055.4	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.57E-06	2.57E-06	2.57E-06	4.41E-04	0.00E+00	0.00E+00	0.00E+00	2.57E-06	1.85E-03	0.00E+00	0.00E+00	1.85E-03
187 ALL	447076.9	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.62E-06	2.62E-06	2.62E-06	4.63E-04	0.00E+00	0.00E+00	0.00E+00	2.62E-06	1.89E-03	0.00E+00	0.00E+00	1.89E-03
188 ALL	447101.2	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.67E-06	2.67E-06	2.67E-06	4.90E-04	0.00E+00	0.00E+00	0.00E+00	2.67E-06	1.92E-03	0.00E+00	0.00E+00	1.92E-03
189 ALL	447123.9	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.73E-06	2.73E-06	2.73E-06	5.18E-04	0.00E+00	0.00E+00	0.00E+00	2.73E-06	1.97E-03	0.00E+00	0.00E+00	1.97E-03
190 ALL	447148.1	3762775 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.78E-06	2.78E-06	2.78E-06	5.50E-04	0.00E+00	0.00E+00	0.00E+00	2.78E-06	2.01E-03	0.00E+00	0.00E+00	2.01E-03
191 ALL	447170.2	3762775 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.84E-06	2.84E-06	2.84E-06	5.82E-04	0.00E+00	0.00E+00	0.00E+00	2.84E-06	2.06E-03	0.00E+00	0.00E+00	2.06E-03
192 ALL	447196.8	3762775 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.92E-06	2.92E-06	2.92E-06	6.25E-04	0.00E+00	0.00E+00	0.00E+00	2.92E-06	2.12E-03	0.00E+00	0.00E+00	2.12E-03
193 ALL	447242.1	3762777 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.08E-06	3.08E-06	3.08E-06	7.07E-04	0.00E+00	0.00E+00	0.00E+00	3.08E-06	2.24E-03	0.00E+00	0.00E+00	2.24E-03
194 ALL	447262.3	3762776 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.17E-06	3.17E-06	3.17E-06	7.49E-04	0.00E+00	0.00E+00	0.00E+00	3.17E-06	2.30E-03	0.00E+00	0.00E+00	2.30E-03
195 ALL	447294.6	3762776 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.32E-06	3.32E-06	3.32E-06	8.25E-04	0.00E+00	0.00E+00	0.00E+00	3.32E-06	2.41E-03	0.00E+00	0.00E+00	2.41E-03
196 ALL	447313.1	3762775 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.41E-06	3.41E-06	3.41E-06	8.76E-04	0.00E+00	0.00E+00	0.00E+00	3.41E-06	2.49E-03	0.00E+00	0.00E+00	2.49E-03
197 ALL	447313.4	3762750 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.68E-06	3.68E-06	3.68E-06	8.88E-04	0.00E+00	0.00E+00	0.00E+00	3.68E-06	2.68E-03	0.00E+00	0.00E+00	2.68E-03
198 ALL	447327.9	3762713 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.25E-06	4.25E-06	4.25E-06	9.92E-04	0.00E+00	0.00E+00	0.00E+00	4.25E-06	3.10E-03	0.00E+00	0.00E+00	3.10E-03
199 ALL	447327.4	3762680 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.80E-06	4.80E-06	4.80E-06	1.04E-03	0.00E+00	0.00E+00	0.00E+00	4.80E-06	3.53E-03	0.00E+00	0.00E+00	3.53E-03
200 ALL	447327.7	3762657 NonCancer	0.00E+00	0.00E+00	0.00E+00	5.22E-06	5.22E-06	5.22E-06	1.08E-03	0.00E+00	0.00E+00	0.00E+00	5.22E-06	3.83E-03	0.00E+00	0.00E+00	3.83E-03
201 ALL	447327.3	3762637 NonCancer	0.00E+00	0.00E+00	0.00E+00	5.62E-06	5.62E-06	5.62E-06	1.10E-03	0.00E+00	0.00E+00	0.00E+00	5.62E-06	4.12E-03	0.00E+00	0.00E+00	4.12E-03
202 ALL	447327.5	3762613 NonCancer	0.00E+00	0.00E+00	0.00E+00	6.14E-06	6.14E-06	6.14E-06	1.12E-03	0.00E+00	0.00E+00	0.00E+00	6.14E-06	4.49E-03	0.00E+00	0.00E+00	4.49E-03
203 ALL	447327.3	3762592 NonCancer	0.00E+00	0.00E+00	0.00E+00	6.62E-06	6.62E-06	6.62E-06	1.12E-03	0.00E+00	0.00E+00	0.00E+00	6.62E-06	4.83E-03	0.00E+00	0.00E+00	4.83E-03
204 ALL	447327	3762570 NonCancer	0.00E+00	0.00E+00	0.00E+00	7.15E-06	7.15E-06	7.15E-06	1.11E-03	0.00E+00	0.00E+00	0.00E+00	7.15E-06	5.21E-03	0.00E+00	0.00E+00	5.21E-03
205 ALL	447327.3	3762548 NonCancer	0.00E+00	0.00E+00	0.00E+00	7.68E-06	7.68E-06	7.68E-06	1.10E-03	0.00E+00	0.00E+00	0.00E+00	7.68E-06	5.58E-03	0.00E+00	0.00E+00	5.58E-03
206 ALL	447326.6	3762525 NonCancer	0.00E+00	0.00E+00	0.00E+00	8.19E-06	8.19E-06	8.19E-06	1.07E-03	0.00E+00	0.00E+00	0.00E+00	8.19E-06	5.94E-03	0.00E+00	0.00E+00	5.94E-03
207 ALL	447326.6	3762506 NonCancer	0.00E+00	0.00E+00	0.00E+00	8.56E-06	8.56E-06	8.56E-06	1.05E-03	0.00E+00	0.00E+00	0.00E+00	8.56E-06	6.20E-03	0.00E+00	0.00E+00	6.20E-03
208 ALL	447327.5	3762478 NonCancer	0.00E+00	0.00E+00	0.00E+00	9.02E-06	9.02E-06	9.02E-06	1.02E-03	0.00E+00	0.00E+00	0.00E+00	9.02E-06	6.54E-03	0.00E+00	0.00E+00	6.54E-03
209 ALL	447325.9	3762454 NonCancer	0.00E+00	0.00E+00	0.00E+00	9.20E-06	9.20E-06	9.20E-06	9.99E-04	0.00E+00	0.00E+00	0.00E+00	9.20E-06	6.69E-03	0.00E+00	0.00E+00	6.69E-03
210 ALL	447225.6	3762433 NonCancer	0.00E+00	0.00E+00	0.00E+00	8.94E-06	8.94E-06	8.94E-06	8.32E-04	0.00E+00	0.00E+00	0.00E+00	8.94E-06	6.46E-03	0.00E+00	0.00E+00	6.46E-03
211 ALL	447200.3	3762431 NonCancer	0.00E+00	0.00E+00	0.00E+00	9.33E-06	9.33E-06	9.33E-06	8.19E-04	0.00E+00	0.00E+00	0.00E+00	9.33E-06	6.72E-03	0.00E+00	0.00E+00	6.72E-03
212 ALL	447156.9	3762430 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.05E-05	1.05E-05	1.05E-05	8.06E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-05	7.50E-03	0.00E+00	0.00E+00	7.50E-03
213 ALL	447131.8	3762431 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.14E-05	1.14E-05	1.14E-05	8.06E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-05	8.14E-03	0.00E+00	0.00E+00	8.14E-03
214 ALL	447102.7	3762431 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.28E-05	1.28E-05	1.28E-05	8.20E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-05	9.09E-03	0.00E+00	0.00E+00	9.09E-03
215 ALL	447079.1	3762431 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.41E-05	1.41E-05	1.41E-05	8.36E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-05	1.00E-02	0.00E+00	0.00E+00	1.00E-02
216 ALL	447034.9	37															

219 ALL	446941.4	3762435	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.87E-05	1.87E-05	1.87E-05	8.71E-04	0.00E+00	0.00E+00	0.00E+00	1.87E-05	1.35E-02	0.00E+00	0.00E+00	1.35E-02
220 ALL	446916.1	3762437	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.84E-05	1.84E-05	1.84E-05	8.46E-04	0.00E+00	0.00E+00	0.00E+00	1.84E-05	1.31E-02	0.00E+00	0.00E+00	1.31E-02
221 ALL	446876.4	3762437	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.81E-05	1.81E-05	1.81E-05	8.24E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-05	1.28E-02	0.00E+00	0.00E+00	1.28E-02
222 ALL	446848.9	3762647	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.12E-06	3.12E-06	3.12E-06	3.18E-04	0.00E+00	0.00E+00	0.00E+00	3.12E-06	2.27E-03	0.00E+00	0.00E+00	2.27E-03
223 ALL	446848.9	3762563	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.67E-06	4.67E-06	4.67E-06	3.65E-04	0.00E+00	0.00E+00	0.00E+00	4.67E-06	3.38E-03	0.00E+00	0.00E+00	3.38E-03
224 ALL	446849.2	3762510	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.85E-06	6.85E-06	6.85E-06	4.35E-04	0.00E+00	0.00E+00	0.00E+00	6.85E-06	4.92E-03	0.00E+00	0.00E+00	4.92E-03
225 ALL	446849.2	3762456	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.23E-05	1.23E-05	1.23E-05	6.23E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-05	8.72E-03	0.00E+00	0.00E+00	8.72E-03
226 ALL	446848.9	3762702	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.51E-06	2.51E-06	2.51E-06	3.01E-04	0.00E+00	0.00E+00	0.00E+00	2.51E-06	1.79E-03	0.00E+00	0.00E+00	1.79E-03
227 ALL	446849.5	3762755	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.17E-06	2.17E-06	2.17E-06	2.92E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-06	1.55E-03	0.00E+00	0.00E+00	1.55E-03
228 ALL	446739.8	3762429	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.46E-06	7.46E-06	7.46E-06	4.89E-04	0.00E+00	0.00E+00	0.00E+00	7.46E-06	5.31E-03	0.00E+00	0.00E+00	5.31E-03
229 ALL	446711.8	3762424	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.11E-06	6.11E-06	6.11E-06	4.41E-04	0.00E+00	0.00E+00	0.00E+00	6.11E-06	4.37E-03	0.00E+00	0.00E+00	4.37E-03
230 ALL	446687.3	3762416	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.24E-06	5.24E-06	5.24E-06	4.12E-04	0.00E+00	0.00E+00	0.00E+00	5.24E-06	3.76E-03	0.00E+00	0.00E+00	3.76E-03
231 ALL	446662.2	3762412	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.49E-06	4.49E-06	4.49E-06	3.75E-04	0.00E+00	0.00E+00	0.00E+00	4.49E-06	3.23E-03	0.00E+00	0.00E+00	3.23E-03
232 ALL	446636.2	3762404	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.91E-06	3.91E-06	3.91E-06	3.50E-04	0.00E+00	0.00E+00	0.00E+00	3.91E-06	2.82E-03	0.00E+00	0.00E+00	2.82E-03
233 ALL	449981.7	3762732	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.60E-06	1.60E-06	1.60E-06	1.59E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03
234 ALL	446486.8	3762232	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.19E-06	2.19E-06	2.19E-06	3.49E-04	0.00E+00	0.00E+00	0.00E+00	2.19E-06	1.60E-03	0.00E+00	0.00E+00	1.60E-03
235 ALL	446262	3762068	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.21E-06	1.21E-06	1.21E-06	2.81E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-06	8.85E-04	0.00E+00	0.00E+00	8.85E-04
236 ALL	446443.2	3762292	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.90E-06	1.90E-06	2.67E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.39E-03	0.00E+00	0.00E+00	1.39E-03
237 ALL	446071.8	3762055	NonCancer	0.00E+00	0.00E+00	0.00E+00	8.81E-07	8.81E-07	8.81E-07	2.46E-04	0.00E+00	0.00E+00	0.00E+00	8.81E-07	6.45E-04	0.00E+00	0.00E+00	6.45E-04
238 ALL	446072.1	3761983	NonCancer	0.00E+00	0.00E+00	0.00E+00	8.74E-07	8.74E-07	8.74E-07	2.29E-04	0.00E+00	0.00E+00	0.00E+00	8.74E-07	6.40E-04	0.00E+00	0.00E+00	6.40E-04
239 ALL	446138.2	3762002	NonCancer	0.00E+00	0.00E+00	0.00E+00	9.68E-07	9.68E-07	9.68E-07	2.43E-04	0.00E+00	0.00E+00	0.00E+00	9.68E-07	7.09E-04	0.00E+00	0.00E+00	7.09E-04
240 ALL	445884.9	3762040	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.90E-07	6.90E-07	6.90E-07	2.26E-04	0.00E+00	0.00E+00	0.00E+00	6.90E-07	5.05E-04	0.00E+00	0.00E+00	5.05E-04

*HARP - HRACalc v22118 10/19/2022 12:40:58 PM - Acute Risk - Input File: C:\Users\Michael Tirohn\Desktop\HRAS\14822 Rich Haven\HARP\14822 OPS\hra\WorkerHRAInput.hrz

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		447362.2	3764293	NonCancer	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	5.83E-03
2	ALL		447376	3764151	NonCancer	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	6.14E-03
3	ALL		447389.8	3764043	NonCancer	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03
4	ALL		447450.2	3764031	NonCancer	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	6.11E-03
5	ALL		447410.2	3764019	NonCancer	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	6.09E-03
6	ALL		446891.9	3764451	NonCancer	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	5.06E-03
7	ALL		446959.3	3764451	NonCancer	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	5.12E-03
8	ALL		446995.3	3764468	NonCancer	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	5.18E-03
9	ALL		447007.4	3764467	NonCancer	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	5.20E-03
10	ALL		447023.5	3764466	NonCancer	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	5.20E-03
11	ALL		447036.6	3764466	NonCancer	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	5.21E-03
12	ALL		447052.7	3764466	NonCancer	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.26E-03
13	ALL		447066.6	3764466	NonCancer	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	5.27E-03
14	ALL		447099.7	3764456	NonCancer	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	5.37E-03
15	ALL		447145.3	3764468	NonCancer	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	5.34E-03
16	ALL		447175.5	3764468	NonCancer	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.26E-03
17	ALL		447205.3	3764468	NonCancer	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	5.24E-03
18	ALL		447232.4	3764468	NonCancer	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	5.40E-03
19	ALL		447264	3764467	NonCancer	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	5.64E-03
20	ALL		447294.8	3764467	NonCancer	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	5.78E-03
21	ALL		447365	3764456	NonCancer	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	5.75E-03
22	ALL		447406.6	3764461	NonCancer	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	5.75E-03
23	ALL		447441.5	3764460	NonCancer	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	5.79E-03
24	ALL		447466.9	3764460	NonCancer	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	5.81E-03
25	ALL		447490	3764461	NonCancer	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	5.76E-03
26	ALL		447515.5	3764460	NonCancer	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	5.66E-03
27	ALL		447573.1	3764454	NonCancer	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	5.60E-03
28	ALL		447598.5	3764445	NonCancer	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	5.69E-03
29	ALL		447652.9	3764440	NonCancer	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	5.91E-03
30	ALL		447692.9	3764440	NonCancer	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	5.98E-03
31	ALL		447713.8	3764439	NonCancer	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	5.97E-03
32	ALL		447732	3764439	NonCancer	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	5.94E-03
33	ALL		447751.1	3764439	NonCancer	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	6.02E-03
34	ALL		447768.8	3764438	NonCancer	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	6.06E-03
35	ALL		447789.1	3764438	NonCancer	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	6.12E-03
36	ALL		447805.7	3764437	NonCancer	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	6.15E-03
37	ALL		447824	3764437	NonCancer	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	6.11E-03
38	ALL		447841.6	3764438	NonCancer	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	6.13E-03
39	ALL		447861.7	3764438	NonCancer	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03
40	ALL		447881.7	3764435	NonCancer	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	6.10E-03
41	ALL		447902.8	3764436	NonCancer	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	6.13E-03
42	ALL		447920.9	3764435	NonCancer	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	6.12E-03
43	ALL		447942.2	3764435	NonCancer	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	6.08E-03
44	ALL		447962.8	3764435	NonCancer	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03
45	ALL		447980.7	3764435	NonCancer	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	6.06E-03
46	ALL		448004.7	3764435	NonCancer	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	6.02E-03
47	ALL		448021.3	3764435	NonCancer	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	5.92E-03
48	ALL		447662.7	3764380	NonCancer	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	6.25E-03
49	ALL		447681.3	3764321	NonCancer	0.00E+00	0.00E+00</													

219 ALL	446941.4	3762435	NonCancer	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	2.74E-02
220 ALL	446916.1	3762437	NonCancer	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	3.45E-02
221 ALL	446876.4	3762437	NonCancer	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	3.37E-02
222 ALL	446848.9	3762647	NonCancer	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	9.46E-03
223 ALL	446848.9	3762563	NonCancer	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	1.24E-02
224 ALL	446849.2	3762510	NonCancer	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	1.62E-02
225 ALL	446849.2	3762456	NonCancer	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	2.47E-02
226 ALL	446848.9	3762702	NonCancer	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	9.47E-03
227 ALL	446849.5	3762755	NonCancer	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	8.64E-03
228 ALL	446739.8	3762429	NonCancer	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	1.68E-02
229 ALL	446711.8	3762424	NonCancer	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	1.44E-02
230 ALL	446687.3	3762416	NonCancer	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	1.30E-02
231 ALL	446662.2	3762412	NonCancer	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	1.16E-02
232 ALL	446636.2	3762404	NonCancer	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.05E-02
233 ALL	449981.7	3762732	NonCancer	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	2.17E-03
234 ALL	446486.8	3762232	NonCancer	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	6.31E-03
235 ALL	446262	3762068	NonCancer	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	3.90E-03
236 ALL	446443.2	3762292	NonCancer	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	5.92E-03
237 ALL	446071.8	3762055	NonCancer	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	3.10E-03
238 ALL	446072.1	3761983	NonCancer	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	3.02E-03
239 ALL	446138.2	3762002	NonCancer	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	3.26E-03
240 ALL	445884.9	3762040	NonCancer	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	2.58E-03

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRQ/DEV	RESP	SKIN	EYE	BONE/TEETENDO	BLOOD	ODOR	GENERAL	MAXHI	
1	ALL	447362.2	3764293	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	3.47E-07	3.47E-07	7.77E-05	0.00E+00	0.00E+00	0.00E+00	3.47E-07	2.51E-04	0.00E+00	0.00E+00	2.51E-04
2	ALL	447376	3764151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-07	3.97E-07	3.97E-07	9.45E-05	0.00E+00	0.00E+00	0.00E+00	3.97E-07	2.87E-04	0.00E+00	0.00E+00	2.87E-04
3	ALL	447389.8	3764043	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	4.51E-07	4.51E-07	1.18E-04	0.00E+00	0.00E+00	0.00E+00	4.51E-07	3.25E-04	0.00E+00	0.00E+00	3.25E-04
4	ALL	447450.2	3764031	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	4.67E-07	4.67E-07	1.24E-04	0.00E+00	0.00E+00	0.00E+00	4.67E-07	3.37E-04	0.00E+00	0.00E+00	3.37E-04
5	ALL	447410.2	3764019	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-07	4.66E-07	4.66E-07	1.25E-04	0.00E+00	0.00E+00	0.00E+00	4.66E-07	3.36E-04	0.00E+00	0.00E+00	3.36E-04
6	ALL	446891.9	3764451	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	2.72E-07	2.72E-07	5.46E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-07	1.97E-04	0.00E+00	0.00E+00	1.97E-04
7	ALL	446959.3	3764451	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.77E-07	2.77E-07	5.61E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.01E-04	0.00E+00	0.00E+00	2.01E-04
8	ALL	446995.3	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	2.75E-07	2.75E-07	5.58E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-07	1.99E-04	0.00E+00	0.00E+00	1.99E-04
9	ALL	447007.4	3764467	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	2.75E-07	2.75E-07	5.60E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-07	1.99E-04	0.00E+00	0.00E+00	1.99E-04
10	ALL	447023.5	3764466	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	2.76E-07	2.76E-07	5.64E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-07	2.00E-04	0.00E+00	0.00E+00	2.00E-04
11	ALL	447036.6	3764466	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.77E-07	2.77E-07	5.67E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.00E-04	0.00E+00	0.00E+00	2.00E-04
12	ALL	447052.7	3764466	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.77E-07	2.77E-07	5.70E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.01E-04	0.00E+00	0.00E+00	2.01E-04
13	ALL	447066.6	3764466	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.77E-07	2.77E-07	5.72E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.01E-04	0.00E+00	0.00E+00	2.01E-04
14	ALL	447099.7	3764456	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.81E-07	2.81E-07	5.84E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.04E-04	0.00E+00	0.00E+00	2.04E-04
15	ALL	447145.3	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.81E-07	2.81E-07	5.88E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.04E-04	0.00E+00	0.00E+00	2.04E-04
16	ALL	447175.5	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	2.85E-07	2.85E-07	5.99E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-07	2.07E-04	0.00E+00	0.00E+00	2.07E-04
17	ALL	447205.3	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	2.89E-07	2.89E-07	6.09E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-07	2.09E-04	0.00E+00	0.00E+00	2.09E-04
18	ALL	447232.4	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	2.88E-07	2.88E-07	6.09E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-07	2.09E-04	0.00E+00	0.00E+00	2.09E-04
19	ALL	447264	3764467	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	2.85E-07	2.85E-07	6.03E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-07	2.07E-04	0.00E+00	0.00E+00	2.07E-04
20	ALL	447294.8	3764467	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	2.86E-07	2.86E-07	6.04E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-07	2.07E-04	0.00E+00	0.00E+00	2.07E-04
21	ALL	447365	3764456	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	2.96E-07	2.96E-07	6.30E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-07	2.15E-04	0.00E+00	0.00E+00	2.15E-04
22	ALL	447406.6	3764461	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	3.00E-07	3.00E-07	6.38E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-07	2.17E-04	0.00E+00	0.00E+00	2.17E-04
23	ALL	447441.5	3764460	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	3.02E-07	3.02E-07	6.45E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-07	2.19E-04	0.00E+00	0.00E+00	2.19E-04
24	ALL	447466.9	3764460	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	3.04E-07	3.04E-07	6.50E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-07	2.20E-04	0.00E+00	0.00E+00	2.20E-04
25	ALL	447490	3764461	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	3.06E-07	3.06E-07	6.58E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-07	2.22E-04	0.00E+00	0.00E+00	2.22E-04
26	ALL	447515.5	3764460	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	3.09E-07	3.09E-07	6.67E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-07	2.24E-04	0.00E+00	0.00E+00	2.24E-04
27	ALL	447573.1	3764454	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	3.17E-07	3.17E-07	6.95E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
28	ALL	447598.5	3764445	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	3.19E-07	3.19E-07	7.05E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-07	2.31E-04	0.00E+00	0.00E+00	2.31E-04
29	ALL	447652.9	3764440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.08E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
30	ALL	447692.9	3764440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.19E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
31	ALL	447713.8	3764439	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.25E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
32	ALL	447732	3764439	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.29E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
33	ALL	447751.1	3764439	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.34E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
34	ALL	447768.8	3764438	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.38E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
35	ALL	447789.1	3764438	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.42E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
36	ALL	447805.7	3764437	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.46E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
37	ALL	447824	3764437	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.51E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
38	ALL	447841.6	3764438	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.56E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
39	ALL	447861.7	3764438	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.64E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.30E-04	0.00E+00	0.00E+00	2.30E-04
40	ALL	447881.7	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	3.17E-07	3.17E-07	7.74E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-07	2.31E-04	0.00E+00	0.00E+00	2.31E-04
41	ALL	447902.8	3764436	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	3.17E-07	3.17E-07	7.81E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-07	2.31E-04	0.00E+00	0.00E+00	2.31E-04
42	ALL	447920.9	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	3.18E-07	3.18E-07	7.89E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-07	2.32E-04	0.00E+00	0.00E+00	2.32E-04
43	ALL	447942.2	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	3.20E-07	3.20E-07	7.98E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-07	2.33E-04	0.00E+00	0.00E+00	2.33E-04
44	ALL	447962.8	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	3.21E-07	3.21E-07	8.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-07	2.34E-04	0.00E+00	0.00E+00	2.34E-04
45	ALL	447980.7	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	3.23E-07	3.23E-07	8.16E-05	0.00E+00	0.00E+00	0.00E+00	3.23E-07	2.35E-04	0.00E+00	0.00E+00	2.35E-04
46	ALL	448004.7	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	3.26E-07	3.26E-07	8.31E-05	0.00E+00	0.00E+00	0.00E+00	3.26E-07	2.37E-04	0.00E+00	0.00E+00	2.37E-04
47	ALL	448021.3	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	3.31E-07	3.31E-07	8.48E-05	0.00E+00							

73 ALL	447854.4	3763698 NonCancer	0.00E+00	0.00E+00	0.00E+00	7.35E-07	7.35E-07	7.35E-07	2.90E-04	0.00E+00	0.00E+00	0.00E+00	7.35E-07	5.31E-04	0.00E+00	0.00E+00	5.31E-04
74 ALL	447855.3	3763677 NonCancer	0.00E+00	0.00E+00	0.00E+00	7.57E-07	7.57E-07	7.57E-07	3.09E-04	0.00E+00	0.00E+00	0.00E+00	7.57E-07	5.47E-04	0.00E+00	0.00E+00	5.47E-04
75 ALL	447675.5	3763289 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.32E-06	1.32E-06	1.32E-06	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.32E-06	9.53E-04	0.00E+00	0.00E+00	1.18E-03
76 ALL	448481.3	3763485 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.05E-06	1.05E-06	5.48E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-06	7.65E-04	0.00E+00	0.00E+00	7.65E-04
77 ALL	448480	3763196 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.90E-06	1.90E-06	7.14E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.39E-03	0.00E+00	0.00E+00	1.39E-03
78 ALL	448478.6	3762907 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.08E-06	4.08E-06	4.08E-06	1.40E-03	0.00E+00	0.00E+00	0.00E+00	4.08E-06	3.00E-03	0.00E+00	0.00E+00	3.00E-03
79 ALL	448497.9	3762714 NonCancer	0.00E+00	0.00E+00	0.00E+00	7.62E-06	7.62E-06	7.62E-06	1.39E-03	0.00E+00	0.00E+00	0.00E+00	7.62E-06	5.60E-03	0.00E+00	0.00E+00	5.60E-03
80 ALL	448507.9	3762488 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.47E-05	3.47E-05	3.47E-05	1.67E-03	0.00E+00	0.00E+00	0.00E+00	3.47E-05	2.43E-02	0.00E+00	0.00E+00	2.43E-02
81 ALL	448480.5	3762358 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.58E-05	4.58E-05	4.58E-05	2.06E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	3.26E-02	0.00E+00	0.00E+00	3.26E-02
82 ALL	448462.7	3762340 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.66E-05	4.66E-05	4.66E-05	1.89E-03	0.00E+00	0.00E+00	0.00E+00	4.66E-05	3.41E-02	0.00E+00	0.00E+00	3.41E-02
83 ALL	448464.5	3762266 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.29E-05	3.29E-05	3.29E-05	1.28E-03	0.00E+00	0.00E+00	0.00E+00	3.29E-05	2.39E-02	0.00E+00	0.00E+00	2.39E-02
84 ALL	448461.6	3762165 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.71E-05	3.71E-05	3.71E-05	1.26E-03	0.00E+00	0.00E+00	0.00E+00	3.71E-05	2.74E-02	0.00E+00	0.00E+00	2.74E-02
85 ALL	448472.6	3762065 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.15E-05	1.15E-05	1.15E-05	5.38E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-05	8.44E-03	0.00E+00	0.00E+00	8.44E-03
86 ALL	448460.5	3762017 NonCancer	0.00E+00	0.00E+00	0.00E+00	8.90E-06	8.90E-06	8.90E-06	4.50E-04	0.00E+00	0.00E+00	0.00E+00	8.90E-06	6.52E-03	0.00E+00	0.00E+00	6.52E-03
87 ALL	448234.6	3761951 NonCancer	0.00E+00	0.00E+00	0.00E+00	7.35E-06	7.35E-06	7.35E-06	4.12E-04	0.00E+00	0.00E+00	0.00E+00	7.35E-06	5.42E-03	0.00E+00	0.00E+00	5.42E-03
88 ALL	448081.4	3761953 NonCancer	0.00E+00	0.00E+00	0.00E+00	5.71E-06	5.71E-06	5.71E-06	3.86E-04	0.00E+00	0.00E+00	0.00E+00	5.71E-06	4.19E-03	0.00E+00	0.00E+00	4.19E-03
89 ALL	448025.5	3761956 NonCancer	0.00E+00	0.00E+00	0.00E+00	5.21E-06	5.21E-06	5.21E-06	3.78E-04	0.00E+00	0.00E+00	0.00E+00	5.21E-06	3.83E-03	0.00E+00	0.00E+00	3.83E-03
90 ALL	447506.8	3761968 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.20E-06	4.20E-06	4.20E-06	3.50E-04	0.00E+00	0.00E+00	0.00E+00	4.20E-06	3.09E-03	0.00E+00	0.00E+00	3.09E-03
91 ALL	447269.3	3761968 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.72E-06	3.72E-06	3.72E-06	3.08E-04	0.00E+00	0.00E+00	0.00E+00	3.72E-06	2.73E-03	0.00E+00	0.00E+00	2.73E-03
92 ALL	447389.5	3761909 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.51E-06	3.51E-06	3.51E-06	2.99E-04	0.00E+00	0.00E+00	0.00E+00	3.51E-06	2.58E-03	0.00E+00	0.00E+00	2.58E-03
93 ALL	447019.1	3761964 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.11E-06	3.11E-06	3.11E-06	2.59E-04	0.00E+00	0.00E+00	0.00E+00	3.11E-06	2.29E-03	0.00E+00	0.00E+00	2.29E-03
94 ALL	447060.3	3761964 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-06	3.16E-06	3.16E-06	2.63E-04	0.00E+00	0.00E+00	0.00E+00	3.16E-06	2.33E-03	0.00E+00	0.00E+00	2.33E-03
95 ALL	446975.3	3761963 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.05E-06	3.05E-06	3.05E-06	2.49E-04	0.00E+00	0.00E+00	0.00E+00	3.05E-06	2.25E-03	0.00E+00	0.00E+00	2.25E-03
96 ALL	446940.9	3761954 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.94E-06	2.94E-06	2.94E-06	2.40E-04	0.00E+00	0.00E+00	0.00E+00	2.94E-06	2.17E-03	0.00E+00	0.00E+00	2.17E-03
97 ALL	446865.7	3761975 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.01E-06	3.01E-06	3.01E-06	2.36E-04	0.00E+00	0.00E+00	0.00E+00	3.01E-06	2.22E-03	0.00E+00	0.00E+00	2.22E-03
98 ALL	446795.1	3761958 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.76E-06	2.76E-06	2.19E-04	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.04E-03	0.00E+00	0.00E+00	2.04E-03
99 ALL	446757.7	3761966 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.76E-06	2.76E-06	2.16E-04	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.04E-03	0.00E+00	0.00E+00	2.04E-03
100 ALL	446709.3	3761968 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.68E-06	2.68E-06	2.68E-06	2.09E-04	0.00E+00	0.00E+00	0.00E+00	2.68E-06	1.97E-03	0.00E+00	0.00E+00	1.97E-03
101 ALL	446796.4	3762029 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.47E-06	3.47E-06	3.47E-06	2.48E-04	0.00E+00	0.00E+00	0.00E+00	3.47E-06	2.56E-03	0.00E+00	0.00E+00	2.56E-03
102 ALL	446797	3762045 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.70E-06	3.70E-06	3.70E-06	2.57E-04	0.00E+00	0.00E+00	0.00E+00	3.70E-06	2.74E-03	0.00E+00	0.00E+00	2.74E-03
103 ALL	446796.7	3762090 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.54E-06	4.54E-06	4.54E-06	2.87E-04	0.00E+00	0.00E+00	0.00E+00	4.54E-06	3.36E-03	0.00E+00	0.00E+00	3.36E-03
104 ALL	446796.2	3762106 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.95E-06	4.95E-06	4.95E-06	3.01E-04	0.00E+00	0.00E+00	0.00E+00	4.95E-06	3.67E-03	0.00E+00	0.00E+00	3.67E-03
105 ALL	446796.7	3762137 NonCancer	0.00E+00	0.00E+00	0.00E+00	6.01E-06	6.01E-06	6.01E-06	3.34E-04	0.00E+00	0.00E+00	0.00E+00	6.01E-06	4.44E-03	0.00E+00	0.00E+00	4.44E-03
106 ALL	446796.2	3762153 NonCancer	0.00E+00	0.00E+00	0.00E+00	6.73E-06	6.73E-06	6.73E-06	3.56E-04	0.00E+00	0.00E+00	0.00E+00	6.73E-06	4.96E-03	0.00E+00	0.00E+00	4.96E-03
107 ALL	446772.4	3762215 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.03E-05	1.03E-05	1.03E-05	4.63E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	7.45E-03	0.00E+00	0.00E+00	7.45E-03
108 ALL	446795.1	3762321 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.85E-05	2.85E-05	2.85E-05	9.96E-04	0.00E+00	0.00E+00	0.00E+00	2.85E-05	1.99E-02	0.00E+00	0.00E+00	1.99E-02
109 ALL	446796.4	3762451 NonCancer	0.00E+00	0.00E+00	0.00E+00	9.74E-06	9.74E-06	9.74E-06	5.39E-04	0.00E+00	0.00E+00	0.00E+00	9.74E-06	6.90E-03	0.00E+00	0.00E+00	6.90E-03
110 ALL	446796.4	3762471 NonCancer	0.00E+00	0.00E+00	0.00E+00	8.01E-06	8.01E-06	8.01E-06	4.68E-04	0.00E+00	0.00E+00	0.00E+00	8.01E-06	5.71E-03	0.00E+00	0.00E+00	5.71E-03
111 ALL	446797.2	3762496 NonCancer	0.00E+00	0.00E+00	0.00E+00	6.51E-06	6.51E-06	6.51E-06	4.12E-04	0.00E+00	0.00E+00	0.00E+00	6.51E-06	4.66E-03	0.00E+00	0.00E+00	4.66E-03
112 ALL	446798.1	3762517 NonCancer	0.00E+00	0.00E+00	0.00E+00	5.61E-06	5.61E-06	5.61E-06	3.80E-04	0.00E+00	0.00E+00	0.00E+00	5.61E-06	4.03E-03	0.00E+00	0.00E+00	4.03E-03
113 ALL	446797.8	3762540 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.80E-06	4.80E-06	4.80E-06	3.53E-04	0.00E+00	0.00E+00	0.00E+00	4.80E-06	3.46E-03	0.00E+00	0.00E+00	3.46E-03
114 ALL	446797.5	3762560 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.27E-06	4.27E-06	4.27E-06	3.35E-04	0.00E+00	0.00E+00	0.00E+00	4.27E-06	3.08E-03	0.00E+00	0.00E+00	3.08E-03
115 ALL	446798.6	3762585 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.77E-06	3.77E-06	3.77E-06	3.19E-04	0.00E+00	0.00E+00	0.00E+00	3.77E-06	2.73E-03	0.00E+00	0.00E+00	2.73E-03
116 ALL	446798.1	3762604 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.44E-06	3.44E-06	3.44E-06	3.09E-04	0.00E+00	0.00E+00	0.00E+00	3.44E-06	2.49E-03	0.00E+00	0.00E+00	2.49E-03
117 ALL	446799.7	3762654 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.83E-06	2.83E-06	2.83E-06	2.91E-04	0.00E+00	0.00E+00	0.00E+00	2.83E-06	2.06E-03	0.00E+00	0.00E+00	2.06E-03
118 ALL	446800	3762675 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.61E-06	2.61E-06	2.61E-06	2.85E-04	0.00E+00	0.00E+00	0.00E+00	2.61E-06	1.85E-03	0.00E+00	0.00E+00	1.85E-03
119 ALL	446800.3	3762700 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.37E-06	2.37E-06	2.37E-06	2.77E-04	0.00E+00	0.00E+00	0.00E+00	2.37E-06	1.69E-03	0.00E+00	0.00E+00	1.69E-03
120 ALL	446800.3	3762721 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.23E-06	2.23E-06	2.23E-06	2.73E-04	0.00E+00	0.00E+00	0.00E+00	2.23E-06	1.59E-03	0.00E+00	0.00E+00	1.59E-03
121 ALL	446800	3762736 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.14E-06	2.14E-06	2.14E-06	2.71E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-06	1.53E-03	0.00E+00	0.00E+00	1.53E-03
122 ALL	446797.8	3762748 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.07E-06	2.07E-06	2.07E-06	2.68E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03
123 ALL	446802.2	3762913 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.51E-06	1.51E-06	1.51E-06	2.53E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03
124 ALL	446802.2	3762933 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.46E-06	1.46E-06	1.46E-06	2.52E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03
125 ALL	446802.4	3762949 NonCancer	0.00E+00	0.0													

147 ALL	446925.2	3763179 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.02E-06	1.02E-06	1.02E-06	2.88E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-06	7.33E-04	0.00E+00	0.00E+00	7.33E-04
148 ALL	446984.9	3763195 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.05E-06	1.05E-06	3.38E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-06	7.55E-04	0.00E+00	0.00E+00	7.55E-04
149 ALL	447010.6	3763193 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.07E-06	1.07E-06	3.65E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-06	7.66E-04	0.00E+00	0.00E+00	7.66E-04
150 ALL	447036.6	3763194 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.09E-06	1.09E-06	3.98E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-06	7.82E-04	0.00E+00	0.00E+00	7.82E-04
151 ALL	447053.6	3763193 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.10E-06	1.10E-06	4.23E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-06	7.92E-04	0.00E+00	0.00E+00	7.92E-04
152 ALL	447076.4	3763192 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.12E-06	1.12E-06	4.61E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-06	8.06E-04	0.00E+00	0.00E+00	8.06E-04
153 ALL	447093.5	3763193 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.13E-06	1.13E-06	4.92E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-06	8.13E-04	0.00E+00	0.00E+00	8.13E-04
154 ALL	447122.1	3763193 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.17E-06	1.17E-06	5.58E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-06	8.35E-04	0.00E+00	0.00E+00	8.35E-04
155 ALL	447138.8	3763192 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.18E-06	1.18E-06	1.18E-06	6.04E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-06	8.48E-04	0.00E+00	0.00E+00	8.48E-04
156 ALL	447168	3763192 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.21E-06	1.21E-06	1.21E-06	6.98E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-06	8.68E-04	0.00E+00	0.00E+00	8.68E-04
157 ALL	447170.7	3763172 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.26E-06	1.26E-06	1.26E-06	7.07E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-06	9.00E-04	0.00E+00	0.00E+00	9.00E-04
158 ALL	447170.4	3763158 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.29E-06	1.29E-06	1.29E-06	7.50E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-06	9.22E-04	0.00E+00	0.00E+00	9.22E-04
159 ALL	447169.3	3763145 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.31E-06	1.31E-06	1.31E-06	7.01E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-06	9.40E-04	0.00E+00	0.00E+00	9.40E-04
160 ALL	447147.5	3763107 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.36E-06	1.36E-06	1.36E-06	6.31E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-06	9.73E-04	0.00E+00	0.00E+00	9.73E-04
161 ALL	447146.6	3763084 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.41E-06	1.41E-06	1.41E-06	6.29E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03
162 ALL	447146.9	3763064 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.46E-06	1.46E-06	1.46E-06	6.30E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03
163 ALL	447149.9	3763039 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.55E-06	1.55E-06	1.55E-06	6.39E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-06	1.11E-03	0.00E+00	0.00E+00	1.11E-03
164 ALL	447148.6	3763020 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.61E-06	1.61E-06	1.61E-06	6.33E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03
165 ALL	447148.6	3762997 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.69E-06	1.69E-06	1.69E-06	6.30E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-06	1.21E-03	0.00E+00	0.00E+00	1.21E-03
166 ALL	447206.1	3762958 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.95E-06	1.95E-06	1.95E-06	8.13E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-06	1.40E-03	0.00E+00	0.00E+00	1.40E-03
167 ALL	447209.3	3762923 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.13E-06	2.13E-06	2.13E-06	7.83E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-06	1.54E-03	0.00E+00	0.00E+00	1.54E-03
168 ALL	447208.4	3762891 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.28E-06	2.28E-06	2.28E-06	7.39E-04	0.00E+00	0.00E+00	0.00E+00	2.28E-06	1.65E-03	0.00E+00	0.00E+00	1.65E-03
169 ALL	447145.8	3762889 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.15E-06	2.15E-06	2.15E-06	5.86E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-06	1.56E-03	0.00E+00	0.00E+00	1.56E-03
170 ALL	447122.6	3762889 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.10E-06	2.10E-06	2.10E-06	5.43E-04	0.00E+00	0.00E+00	0.00E+00	2.10E-06	1.52E-03	0.00E+00	0.00E+00	1.52E-03
171 ALL	447094.3	3762890 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.04E-06	2.04E-06	2.04E-06	4.98E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03
172 ALL	447071	3762890 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.00E-06	2.00E-06	2.00E-06	4.65E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-06	1.44E-03	0.00E+00	0.00E+00	1.44E-03
173 ALL	447043.6	3762890 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.95E-06	1.95E-06	1.95E-06	4.32E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-06	1.41E-03	0.00E+00	0.00E+00	1.41E-03
174 ALL	447017.8	3762889 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.90E-06	1.90E-06	4.04E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.37E-03	0.00E+00	0.00E+00	1.37E-03
175 ALL	446992.1	3762889 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.86E-06	1.86E-06	1.86E-06	3.79E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-06	1.34E-03	0.00E+00	0.00E+00	1.34E-03
176 ALL	446964.3	3762888 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.81E-06	1.81E-06	1.81E-06	3.55E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-06	1.30E-03	0.00E+00	0.00E+00	1.30E-03
177 ALL	446940.4	3762888 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.78E-06	1.78E-06	1.78E-06	3.36E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-06	1.28E-03	0.00E+00	0.00E+00	1.28E-03
178 ALL	446911.2	3762888 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.74E-06	1.74E-06	1.74E-06	3.16E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-06	1.25E-03	0.00E+00	0.00E+00	1.25E-03
179 ALL	446885.4	3762890 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.69E-06	1.69E-06	1.69E-06	3.00E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03
180 ALL	446862.1	3762889 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.66E-06	1.66E-06	1.66E-06	2.86E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03
181 ALL	446871.5	3762780 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.09E-06	2.09E-06	2.09E-06	3.01E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-06	1.50E-03	0.00E+00	0.00E+00	1.50E-03
182 ALL	446926.3	3762769 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.27E-06	2.27E-06	2.27E-06	3.35E-04	0.00E+00	0.00E+00	0.00E+00	2.27E-06	1.63E-03	0.00E+00	0.00E+00	1.63E-03
183 ALL	446983.7	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.37E-06	2.37E-06	2.37E-06	3.76E-04	0.00E+00	0.00E+00	0.00E+00	2.37E-06	1.70E-03	0.00E+00	0.00E+00	1.70E-03
184 ALL	447009	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.43E-06	2.43E-06	2.43E-06	3.97E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-06	1.75E-03	0.00E+00	0.00E+00	1.75E-03
185 ALL	447030.5	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.50E-06	2.50E-06	2.50E-06	4.17E-04	0.00E+00	0.00E+00	0.00E+00	2.50E-06	1.80E-03	0.00E+00	0.00E+00	1.80E-03
186 ALL	447055.4	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.57E-06	2.57E-06	2.57E-06	4.41E-04	0.00E+00	0.00E+00	0.00E+00	2.57E-06	1.85E-03	0.00E+00	0.00E+00	1.85E-03
187 ALL	447076.9	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.62E-06	2.62E-06	2.62E-06	4.63E-04	0.00E+00	0.00E+00	0.00E+00	2.62E-06	1.89E-03	0.00E+00	0.00E+00	1.89E-03
188 ALL	447101.2	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.67E-06	2.67E-06	2.67E-06	4.90E-04	0.00E+00	0.00E+00	0.00E+00	2.67E-06	1.92E-03	0.00E+00	0.00E+00	1.92E-03
189 ALL	447123.9	3762774 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.73E-06	2.73E-06	2.73E-06	5.18E-04	0.00E+00	0.00E+00	0.00E+00	2.73E-06	1.97E-03	0.00E+00	0.00E+00	1.97E-03
190 ALL	447148.1	3762775 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.78E-06	2.78E-06	2.78E-06	5.50E-04	0.00E+00	0.00E+00	0.00E+00	2.78E-06	2.01E-03	0.00E+00	0.00E+00	2.01E-03
191 ALL	447170.2	3762775 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.84E-06	2.84E-06	2.84E-06	5.82E-04	0.00E+00	0.00E+00	0.00E+00	2.84E-06	2.06E-03	0.00E+00	0.00E+00	2.06E-03
192 ALL	447196.8	3762775 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.92E-06	2.92E-06	2.92E-06	6.25E-04	0.00E+00	0.00E+00	0.00E+00	2.92E-06	2.12E-03	0.00E+00	0.00E+00	2.12E-03
193 ALL	447242.1	3762777 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.08E-06	3.08E-06	3.08E-06	7.07E-04	0.00E+00	0.00E+00	0.00E+00	3.08E-06	2.24E-03	0.00E+00	0.00E+00	2.24E-03
194 ALL	447262.3	3762776 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.17E-06	3.17E-06	3.17E-06	7.49E-04	0.00E+00	0.00E+00	0.00E+00	3.17E-06	2.30E-03	0.00E+00	0.00E+00	2.30E-03
195 ALL	447294.6	3762776 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.32E-06	3.32E-06	3.32E-06	8.25E-04	0.00E+00	0.00E+00	0.00E+00	3.32E-06	2.41E-03	0.00E+00	0.00E+00	2.41E-03
196 ALL	447313.1	3762775 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.41E-06	3.41E-06	3.41E-06	8.76E-04	0.00E+00	0.00E+00	0.00E+00	3.41E-06	2.49E-03	0.00E+00	0.00E+00	2.49E-03
197 ALL	447313.4	3762750 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.68E-06	3.68E-06	3.68E-06	8.88E-04	0.00E+00	0.00E+00	0.00E+00	3.68E-06	2.68E-03	0.00E+00	0.00E+00	2.68E-03
198 ALL	447327.9	3762713 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.25E-06	4.25E-06	4.25E-06	9.92E-04	0.00E+00	0.00E+00	0.00E+00	4.25E-06	3.10E-03	0.00E+00	0.00E+00	3.10E-03
199 ALL	447327.4	37															

221 ALL	446876.4	3762437 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.81E-05	1.81E-05	1.81E-05	8.24E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-05	1.28E-02	0.00E+00	0.00E+00	1.28E-02
222 ALL	446848.9	3762647 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.12E-06	3.12E-06	3.12E-06	3.18E-04	0.00E+00	0.00E+00	0.00E+00	3.12E-06	2.27E-03	0.00E+00	0.00E+00	2.27E-03
223 ALL	446848.9	3762563 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.67E-06	4.67E-06	4.67E-06	3.65E-04	0.00E+00	0.00E+00	0.00E+00	4.67E-06	3.38E-03	0.00E+00	0.00E+00	3.38E-03
224 ALL	446849.2	3762510 NonCancer	0.00E+00	0.00E+00	0.00E+00	6.85E-06	6.85E-06	6.85E-06	4.35E-04	0.00E+00	0.00E+00	0.00E+00	6.85E-06	4.92E-03	0.00E+00	0.00E+00	4.92E-03
225 ALL	446849.2	3762456 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.23E-05	1.23E-05	1.23E-05	6.23E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-05	8.72E-03	0.00E+00	0.00E+00	8.72E-03
226 ALL	446848.9	3762702 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.51E-06	2.51E-06	2.51E-06	3.01E-04	0.00E+00	0.00E+00	0.00E+00	2.51E-06	1.79E-03	0.00E+00	0.00E+00	1.79E-03
227 ALL	446849.5	3762755 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.17E-06	2.17E-06	2.17E-06	2.92E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-06	1.55E-03	0.00E+00	0.00E+00	1.55E-03
228 ALL	446739.8	3762429 NonCancer	0.00E+00	0.00E+00	0.00E+00	7.46E-06	7.46E-06	7.46E-06	4.89E-04	0.00E+00	0.00E+00	0.00E+00	7.46E-06	5.31E-03	0.00E+00	0.00E+00	5.31E-03
229 ALL	446711.8	3762424 NonCancer	0.00E+00	0.00E+00	0.00E+00	6.11E-06	6.11E-06	6.11E-06	4.41E-04	0.00E+00	0.00E+00	0.00E+00	6.11E-06	4.37E-03	0.00E+00	0.00E+00	4.37E-03
230 ALL	446687.3	3762416 NonCancer	0.00E+00	0.00E+00	0.00E+00	5.24E-06	5.24E-06	5.24E-06	4.12E-04	0.00E+00	0.00E+00	0.00E+00	5.24E-06	3.76E-03	0.00E+00	0.00E+00	3.76E-03
231 ALL	446662.2	3762412 NonCancer	0.00E+00	0.00E+00	0.00E+00	4.49E-06	4.49E-06	4.49E-06	3.75E-04	0.00E+00	0.00E+00	0.00E+00	4.49E-06	3.23E-03	0.00E+00	0.00E+00	3.23E-03
232 ALL	446636.2	3762404 NonCancer	0.00E+00	0.00E+00	0.00E+00	3.91E-06	3.91E-06	3.91E-06	3.50E-04	0.00E+00	0.00E+00	0.00E+00	3.91E-06	2.82E-03	0.00E+00	0.00E+00	2.82E-03
233 ALL	449981.7	3762732 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.60E-06	1.60E-06	1.60E-06	1.59E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03
234 ALL	446486.8	3762232 NonCancer	0.00E+00	0.00E+00	0.00E+00	2.19E-06	2.19E-06	2.19E-06	3.49E-04	0.00E+00	0.00E+00	0.00E+00	2.19E-06	1.60E-03	0.00E+00	0.00E+00	1.60E-03
235 ALL	446262	3762068 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.21E-06	1.21E-06	1.21E-06	2.81E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-06	8.85E-04	0.00E+00	0.00E+00	8.85E-04
236 ALL	446443.2	3762292 NonCancer	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.90E-06	1.90E-06	2.67E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.39E-03	0.00E+00	0.00E+00	1.39E-03
237 ALL	446071.8	3762055 NonCancer	0.00E+00	0.00E+00	0.00E+00	8.81E-07	8.81E-07	8.81E-07	2.46E-04	0.00E+00	0.00E+00	0.00E+00	8.81E-07	6.45E-04	0.00E+00	0.00E+00	6.45E-04
238 ALL	446072.1	3761983 NonCancer	0.00E+00	0.00E+00	0.00E+00	8.74E-07	8.74E-07	8.74E-07	2.29E-04	0.00E+00	0.00E+00	0.00E+00	8.74E-07	6.40E-04	0.00E+00	0.00E+00	6.40E-04
239 ALL	446138.2	3762002 NonCancer	0.00E+00	0.00E+00	0.00E+00	9.68E-07	9.68E-07	9.68E-07	2.43E-04	0.00E+00	0.00E+00	0.00E+00	9.68E-07	7.09E-04	0.00E+00	0.00E+00	7.09E-04
240 ALL	445884.9	3762040 NonCancer	0.00E+00	0.00E+00	0.00E+00	6.90E-07	6.90E-07	6.90E-07	2.26E-04	0.00E+00	0.00E+00	0.00E+00	6.90E-07	5.05E-04	0.00E+00	0.00E+00	5.05E-04

*HARP - HRACalc v22118 10/19/2022 12:43:00 PM - Acute Risk - Input File: C:\Users\Michael Tirohn\Desktop\HRAS\14822 Rich Haven\HARP\14822 OPS\hra\SchoolHRAInput.hrz

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		447362.2	3764293	NonCancer	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	5.83E-03
2	ALL		447376	3764151	NonCancer	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	6.14E-03
3	ALL		447389.8	3764043	NonCancer	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03
4	ALL		447450.2	3764031	NonCancer	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	6.11E-03
5	ALL		447410.2	3764019	NonCancer	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	6.09E-03
6	ALL		446891.9	3764451	NonCancer	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	5.06E-03
7	ALL		446959.3	3764451	NonCancer	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	5.12E-03
8	ALL		446995.3	3764468	NonCancer	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	5.18E-03
9	ALL		447007.4	3764467	NonCancer	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	5.20E-03
10	ALL		447023.5	3764466	NonCancer	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	5.20E-03
11	ALL		447036.6	3764466	NonCancer	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	5.21E-03
12	ALL		447052.7	3764466	NonCancer	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.26E-03
13	ALL		447066.6	3764466	NonCancer	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	5.27E-03
14	ALL		447099.7	3764456	NonCancer	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	5.37E-03
15	ALL		447145.3	3764468	NonCancer	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	5.34E-03
16	ALL		447175.5	3764468	NonCancer	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.26E-03
17	ALL		447205.3	3764468	NonCancer	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	5.24E-03
18	ALL		447232.4	3764468	NonCancer	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	5.40E-03
19	ALL		447264	3764467	NonCancer	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	5.64E-03
20	ALL		447294.8	3764467	NonCancer	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	5.78E-03
21	ALL		447365	3764456	NonCancer	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	5.75E-03
22	ALL		447406.6	3764461	NonCancer	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	5.75E-03
23	ALL		447441.5	3764460	NonCancer	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	5.79E-03
24	ALL		447466.9	3764460	NonCancer	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	5.81E-03
25	ALL		447490	3764461	NonCancer	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	5.76E-03
26	ALL		447515.5	3764460	NonCancer	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	5.66E-03
27	ALL		447573.1	3764454	NonCancer	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	5.60E-03
28	ALL		447598.5	3764445	NonCancer	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	5.69E-03
29	ALL		447652.9	3764440	NonCancer	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	5.91E-03
30	ALL		447692.9	3764440	NonCancer	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	5.98E-03
31	ALL		447713.8	3764439	NonCancer	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	5.97E-03
32	ALL		447732	3764439	NonCancer	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	5.94E-03
33	ALL		447751.1	3764439	NonCancer	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	6.02E-03
34	ALL		447768.8	3764438	NonCancer	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	6.06E-03
35	ALL		447789.1	3764438	NonCancer	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	6.12E-03
36	ALL		447805.7	3764437	NonCancer	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	6.15E-03
37	ALL		447824	3764437	NonCancer	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	6.11E-03
38	ALL		447841.6	3764438	NonCancer	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	6.13E-03
39	ALL		447861.7	3764438	NonCancer	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03
40	ALL		447881.7	3764435	NonCancer	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	6.10E-03
41	ALL		447902.8	3764436	NonCancer	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	6.13E-03
42	ALL		447920.9	3764435	NonCancer	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	6.12E-03
43	ALL		447942.2	3764435	NonCancer	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	6.08E-03
44	ALL		447962.8	3764435	NonCancer	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	6.07E-03
45	ALL		447980.7	3764435	NonCancer	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	6.06E-03
46	ALL		448004.7	3764435	NonCancer	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	6.02E-03
47	ALL		448021.3	3764435	NonCancer	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	5.92E-03
48	ALL		447662.7	3764380	NonCancer	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	6.25E-03
49	ALL		447681.3	3764321	NonCancer	0.00E+00	0.00E+00</													

219 ALL	446941.4	3762435	NonCancer	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	2.74E-02
220 ALL	446916.1	3762437	NonCancer	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	3.45E-02
221 ALL	446876.4	3762437	NonCancer	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	3.37E-02
222 ALL	446848.9	3762647	NonCancer	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	9.46E-03
223 ALL	446848.9	3762563	NonCancer	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	1.24E-02
224 ALL	446849.2	3762510	NonCancer	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	1.62E-02
225 ALL	446849.2	3762456	NonCancer	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	2.47E-02
226 ALL	446848.9	3762702	NonCancer	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	9.47E-03
227 ALL	446849.5	3762755	NonCancer	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	8.64E-03
228 ALL	446739.8	3762429	NonCancer	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	1.68E-02
229 ALL	446711.8	3762424	NonCancer	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	1.44E-02
230 ALL	446687.3	3762416	NonCancer	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	1.30E-02
231 ALL	446662.2	3762412	NonCancer	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	1.16E-02
232 ALL	446636.2	3762404	NonCancer	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.05E-02
233 ALL	449981.7	3762732	NonCancer	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	2.17E-03
234 ALL	446486.8	3762232	NonCancer	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	6.31E-03
235 ALL	446262	3762068	NonCancer	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	3.90E-03
236 ALL	446443.2	3762292	NonCancer	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	5.92E-03
237 ALL	446071.8	3762055	NonCancer	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	3.10E-03
238 ALL	446072.1	3761983	NonCancer	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	3.02E-03
239 ALL	446138.2	3762002	NonCancer	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	3.26E-03
240 ALL	445884.9	3762040	NonCancer	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	2.58E-03

*HARP - HRACalc v22118 10/19/2022 12:43:00 PM - Chronic Risk - Input File: C:\Users\Michael Tirohn\Desktop\HRAS\14822 Rich Haven\HARP\14822 OPS\hra\SchoolHRAInput.hrz

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE/RESP	SKIN	EYE	BONE/TEETH/ENDO	BLOOD	ODOR	GENERAL	MAXHI		
1	ALL		447362.2	3764293	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.47E-07	3.47E-07	3.47E-07	7.77E-05	0.00E+00	0.00E+00	0.00E+00	3.47E-07	2.51E-04	0.00E+00	0.00E+00	2.51E-04
2	ALL		447376	3764151	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.97E-07	3.97E-07	3.97E-07	9.45E-05	0.00E+00	0.00E+00	0.00E+00	3.97E-07	2.87E-04	0.00E+00	0.00E+00	2.87E-04
3	ALL		447389.8	3764043	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.51E-07	4.51E-07	4.51E-07	1.18E-04	0.00E+00	0.00E+00	0.00E+00	4.51E-07	3.25E-04	0.00E+00	0.00E+00	3.25E-04
4	ALL		447450.2	3764031	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.67E-07	4.67E-07	4.67E-07	1.24E-04	0.00E+00	0.00E+00	0.00E+00	4.67E-07	3.37E-04	0.00E+00	0.00E+00	3.37E-04
5	ALL		447410.2	3764019	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.66E-07	4.66E-07	4.66E-07	1.25E-04	0.00E+00	0.00E+00	0.00E+00	4.66E-07	3.36E-04	0.00E+00	0.00E+00	3.36E-04
6	ALL		446891.9	3764451	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.72E-07	2.72E-07	2.72E-07	5.46E-05	0.00E+00	0.00E+00	0.00E+00	2.72E-07	1.97E-04	0.00E+00	0.00E+00	1.97E-04
7	ALL		446959.3	3764451	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.77E-07	2.77E-07	5.61E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.01E-04	0.00E+00	0.00E+00	2.01E-04
8	ALL		446995.3	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.75E-07	2.75E-07	2.75E-07	5.58E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-07	1.99E-04	0.00E+00	0.00E+00	1.99E-04
9	ALL		447007.4	3764467	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.75E-07	2.75E-07	2.75E-07	5.60E-05	0.00E+00	0.00E+00	0.00E+00	2.75E-07	1.99E-04	0.00E+00	0.00E+00	1.99E-04
10	ALL		447023.5	3764466	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.76E-07	2.76E-07	2.76E-07	5.64E-05	0.00E+00	0.00E+00	0.00E+00	2.76E-07	2.00E-04	0.00E+00	0.00E+00	2.00E-04
11	ALL		447036.6	3764466	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.77E-07	2.77E-07	5.67E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.00E-04	0.00E+00	0.00E+00	2.00E-04
12	ALL		447052.7	3764466	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.77E-07	2.77E-07	5.70E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.01E-04	0.00E+00	0.00E+00	2.01E-04
13	ALL		447066.6	3764466	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.77E-07	2.77E-07	5.72E-05	0.00E+00	0.00E+00	0.00E+00	2.77E-07	2.01E-04	0.00E+00	0.00E+00	2.01E-04
14	ALL		447099.7	3764456	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.81E-07	2.81E-07	5.84E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.04E-04	0.00E+00	0.00E+00	2.04E-04
15	ALL		447145.3	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.81E-07	2.81E-07	5.88E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.04E-04	0.00E+00	0.00E+00	2.04E-04
16	ALL		447175.5	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.85E-07	2.85E-07	2.85E-07	5.99E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-07	2.07E-04	0.00E+00	0.00E+00	2.07E-04
17	ALL		447205.3	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.89E-07	2.89E-07	2.89E-07	6.09E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-07	2.09E-04	0.00E+00	0.00E+00	2.09E-04
18	ALL		447232.4	3764468	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.88E-07	2.88E-07	2.88E-07	6.09E-05	0.00E+00	0.00E+00	0.00E+00	2.88E-07	2.09E-04	0.00E+00	0.00E+00	2.09E-04
19	ALL		447264	3764467	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.85E-07	2.85E-07	2.85E-07	6.03E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-07	2.07E-04	0.00E+00	0.00E+00	2.07E-04
20	ALL		447294.8	3764467	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.86E-07	2.86E-07	2.86E-07	6.04E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-07	2.07E-04	0.00E+00	0.00E+00	2.07E-04
21	ALL		447365	3764456	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.96E-07	2.96E-07	2.96E-07	6.30E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-07	2.15E-04	0.00E+00	0.00E+00	2.15E-04
22	ALL		447406.6	3764461	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.00E-07	3.00E-07	3.00E-07	6.38E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-07	2.17E-04	0.00E+00	0.00E+00	2.17E-04
23	ALL		447441.5	3764460	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.02E-07	3.02E-07	3.02E-07	6.45E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-07	2.19E-04	0.00E+00	0.00E+00	2.19E-04
24	ALL		447466.9	3764460	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.04E-07	3.04E-07	3.04E-07	6.50E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-07	2.20E-04	0.00E+00	0.00E+00	2.20E-04
25	ALL		447490	3764461	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.06E-07	3.06E-07	3.06E-07	6.58E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-07	2.22E-04	0.00E+00	0.00E+00	2.22E-04
26	ALL		447515.5	3764460	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.09E-07	3.09E-07	3.09E-07	6.67E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-07	2.24E-04	0.00E+00	0.00E+00	2.24E-04
27	ALL		447573.1	3764454	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.17E-07	3.17E-07	3.17E-07	6.95E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
28	ALL		447598.5	3764445	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.19E-07	3.19E-07	3.19E-07	7.05E-05	0.00E+00	0.00E+00	0.00E+00	3.19E-07	2.31E-04	0.00E+00	0.00E+00	2.31E-04
29	ALL		447652.9	3764440	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.08E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
30	ALL		447692.9	3764440	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.19E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
31	ALL		447713.8	3764439	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.25E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
32	ALL		447732	3764439	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.29E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
33	ALL		447751.1	3764439	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.34E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
34	ALL		447768.8	3764438	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.38E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
35	ALL		447789.1	3764438	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.42E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
36	ALL		447805.7	3764437	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.46E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
37	ALL		447824	3764437	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.51E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
38	ALL		447841.6	3764438	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.15E-07	3.15E-07	3.15E-07	7.56E-05	0.00E+00	0.00E+00	0.00E+00	3.15E-07	2.29E-04	0.00E+00	0.00E+00	2.29E-04
39	ALL		447861.7	3764438	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-07	3.16E-07	3.16E-07	7.64E-05	0.00E+00	0.00E+00	0.00E+00	3.16E-07	2.30E-04	0.00E+00	0.00E+00	2.30E-04
40	ALL		447881.7	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.17E-07	3.17E-07	3.17E-07	7.74E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-07	2.31E-04	0.00E+00	0.00E+00	2.31E-04
41	ALL		447902.8	3764436	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.17E-07	3.17E-07	3.17E-07	7.81E-05	0.00E+00	0.00E+00	0.00E+00	3.17E-07	2.31E-04	0.00E+00	0.00E+00	2.31E-04
42	ALL		447920.9	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.18E-07	3.18E-07	3.18E-07	7.89E-05	0.00E+00	0.00E+00	0.00E+00	3.18E-07	2.32E-04	0.00E+00	0.00E+00	2.32E-04
43	ALL		447942.2	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.20E-07	3.20E-07	3.20E-07	7.98E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-07	2.33E-04	0.00E+00	0.00E+00	2.33E-04
44	ALL		447962.8	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.21E-07	3.21E-07	3.21E-07	8.08E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-07	2.34E-04	0.00E+00	0.00E+00	2.34E-04
45	ALL		447980.7	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.23E-07	3.23E-07	3.23E-07	8.16E-05	0.00E+00	0.00E+00	0.00E+00	3.23E-07	2.35E-04	0.00E+00	0.00E+00	2.35E-04
46	ALL		448004.7	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.26E-07	3.26E-07	3.26E-07	8.31E-05	0.00E+00	0.00E+00	0.00E+00	3.26E-07	2.37E-04	0.00E+00	0.00E+00	2.37E-04
47	ALL		448021.3	3764435	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.31E-07	3.31E-07	3.31E-07	8.48E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-07	2.41E-04	0.00E+00	0.00E+00	2.41E-04
48	ALL		447662.7	3764380	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.27E-07	3.27E-07	3.27E-07	7.49E-05	0.00E+00	0.00E+00	0.00E+00	3.27E-07	2.37E-04	0.00E+00	0.00E+00	2.37E-04
49	ALL		447681.3	3764321	NonCancer	0.00E+00	0.00E+00	0.00E+0												

54 ALL	447681	3764146	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.27E-07	4.27E-07	4.27E-07	1.08E-04	0.00E+00	0.00E+00	0.00E+00	4.27E-07	3.09E-04	0.00E+00	0.00E+00	3.09E-04
55 ALL	447679.6	3764130	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.36E-07	4.36E-07	4.36E-07	1.12E-04	0.00E+00	0.00E+00	0.00E+00	4.36E-07	3.16E-04	0.00E+00	0.00E+00	3.16E-04
56 ALL	447680.8	3764112	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.46E-07	4.46E-07	4.46E-07	1.17E-04	0.00E+00	0.00E+00	0.00E+00	4.46E-07	3.23E-04	0.00E+00	0.00E+00	3.23E-04
57 ALL	447681.5	3764096	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.55E-07	4.55E-07	4.55E-07	1.20E-04	0.00E+00	0.00E+00	0.00E+00	4.55E-07	3.29E-04	0.00E+00	0.00E+00	3.29E-04
58 ALL	447680.8	3764079	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.63E-07	4.63E-07	4.63E-07	1.24E-04	0.00E+00	0.00E+00	0.00E+00	4.63E-07	3.35E-04	0.00E+00	0.00E+00	3.35E-04
59 ALL	447680	3764064	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.69E-07	4.69E-07	4.69E-07	1.26E-04	0.00E+00	0.00E+00	0.00E+00	4.69E-07	3.39E-04	0.00E+00	0.00E+00	3.39E-04
60 ALL	447681	3764046	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.77E-07	4.77E-07	4.77E-07	1.30E-04	0.00E+00	0.00E+00	0.00E+00	4.77E-07	3.45E-04	0.00E+00	0.00E+00	3.45E-04
61 ALL	447680.6	3764030	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.83E-07	4.83E-07	4.83E-07	1.33E-04	0.00E+00	0.00E+00	0.00E+00	4.83E-07	3.50E-04	0.00E+00	0.00E+00	3.50E-04
62 ALL	447657.2	3763992	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.00E-07	5.00E-07	5.00E-07	1.42E-04	0.00E+00	0.00E+00	0.00E+00	5.00E-07	3.62E-04	0.00E+00	0.00E+00	3.62E-04
63 ALL	447656.3	3763967	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.11E-07	5.11E-07	5.11E-07	1.47E-04	0.00E+00	0.00E+00	0.00E+00	5.11E-07	3.70E-04	0.00E+00	0.00E+00	3.70E-04
64 ALL	447657.2	3763929	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.30E-07	5.30E-07	5.30E-07	1.57E-04	0.00E+00	0.00E+00	0.00E+00	5.30E-07	3.83E-04	0.00E+00	0.00E+00	3.83E-04
65 ALL	447657.2	3763902	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.43E-07	5.43E-07	5.43E-07	1.65E-04	0.00E+00	0.00E+00	0.00E+00	5.43E-07	3.93E-04	0.00E+00	0.00E+00	3.93E-04
66 ALL	447657.5	3763869	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.65E-07	5.65E-07	5.65E-07	1.79E-04	0.00E+00	0.00E+00	0.00E+00	5.65E-07	4.08E-04	0.00E+00	0.00E+00	4.08E-04
67 ALL	447656.2	3763835	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.84E-07	5.84E-07	5.84E-07	1.93E-04	0.00E+00	0.00E+00	0.00E+00	5.84E-07	4.23E-04	0.00E+00	0.00E+00	4.23E-04
68 ALL	447655.9	3763808	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.99E-07	5.99E-07	5.99E-07	2.04E-04	0.00E+00	0.00E+00	0.00E+00	5.99E-07	4.33E-04	0.00E+00	0.00E+00	4.33E-04
69 ALL	447657.1	3763786	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.12E-07	6.12E-07	6.12E-07	2.16E-04	0.00E+00	0.00E+00	0.00E+00	6.12E-07	4.43E-04	0.00E+00	0.00E+00	4.43E-04
70 ALL	447701.2	3763782	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.18E-07	6.18E-07	6.18E-07	2.19E-04	0.00E+00	0.00E+00	0.00E+00	6.18E-07	4.47E-04	0.00E+00	0.00E+00	4.47E-04
71 ALL	447856.9	3763750	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.86E-07	6.86E-07	6.86E-07	2.51E-04	0.00E+00	0.00E+00	0.00E+00	6.86E-07	4.96E-04	0.00E+00	0.00E+00	4.96E-04
72 ALL	447855	3763730	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.04E-07	7.04E-07	7.04E-07	2.65E-04	0.00E+00	0.00E+00	0.00E+00	7.04E-07	5.09E-04	0.00E+00	0.00E+00	5.09E-04
73 ALL	447854.4	3763698	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.35E-07	7.35E-07	7.35E-07	2.90E-04	0.00E+00	0.00E+00	0.00E+00	7.35E-07	5.31E-04	0.00E+00	0.00E+00	5.31E-04
74 ALL	447855.3	3763677	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.57E-07	7.57E-07	7.57E-07	3.09E-04	0.00E+00	0.00E+00	0.00E+00	7.57E-07	5.47E-04	0.00E+00	0.00E+00	5.47E-04
75 ALL	447675.5	3763287	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.32E-06	1.32E-06	1.32E-06	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.32E-06	9.53E-04	0.00E+00	0.00E+00	1.18E-03
76 ALL	448481.3	3763485	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.05E-06	1.05E-06	5.48E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-06	7.65E-04	0.00E+00	0.00E+00	7.65E-04
77 ALL	448480	3763196	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.90E-06	1.90E-06	7.14E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.39E-03	0.00E+00	0.00E+00	1.39E-03
78 ALL	448478.6	3762907	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.08E-06	4.08E-06	4.08E-06	1.40E-03	0.00E+00	0.00E+00	0.00E+00	4.08E-06	3.00E-03	0.00E+00	0.00E+00	3.00E-03
79 ALL	448497.9	3762714	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.62E-06	7.62E-06	7.62E-06	1.39E-03	0.00E+00	0.00E+00	0.00E+00	7.62E-06	5.60E-03	0.00E+00	0.00E+00	5.60E-03
80 ALL	448507.9	3762488	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.47E-05	3.47E-05	3.47E-05	1.67E-03	0.00E+00	0.00E+00	0.00E+00	3.47E-05	2.43E-02	0.00E+00	0.00E+00	2.43E-02
81 ALL	448480.5	3762358	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.58E-05	4.58E-05	4.58E-05	2.06E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	3.26E-02	0.00E+00	0.00E+00	3.26E-02
82 ALL	448462.7	3762340	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.66E-05	4.66E-05	4.66E-05	1.89E-03	0.00E+00	0.00E+00	0.00E+00	4.66E-05	3.41E-02	0.00E+00	0.00E+00	3.41E-02
83 ALL	448464.5	3762266	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.29E-05	3.29E-05	3.29E-05	1.28E-03	0.00E+00	0.00E+00	0.00E+00	3.29E-05	2.39E-02	0.00E+00	0.00E+00	2.39E-02
84 ALL	448461.6	3762165	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.71E-05	3.71E-05	3.71E-05	1.26E-03	0.00E+00	0.00E+00	0.00E+00	3.71E-05	2.74E-02	0.00E+00	0.00E+00	2.74E-02
85 ALL	448472.6	3762065	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.15E-05	1.15E-05	1.15E-05	5.38E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-05	8.44E-03	0.00E+00	0.00E+00	8.44E-03
86 ALL	448460.5	3762017	NonCancer	0.00E+00	0.00E+00	0.00E+00	8.90E-06	8.90E-06	8.90E-06	4.50E-04	0.00E+00	0.00E+00	0.00E+00	8.90E-06	6.52E-03	0.00E+00	0.00E+00	6.52E-03
87 ALL	448234.6	3761951	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.35E-06	7.35E-06	7.35E-06	4.12E-04	0.00E+00	0.00E+00	0.00E+00	7.35E-06	5.42E-03	0.00E+00	0.00E+00	5.42E-03
88 ALL	448081.4	3761953	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.71E-06	5.71E-06	5.71E-06	3.86E-04	0.00E+00	0.00E+00	0.00E+00	5.71E-06	4.19E-03	0.00E+00	0.00E+00	4.19E-03
89 ALL	448025.5	3761956	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.21E-06	5.21E-06	5.21E-06	3.78E-04	0.00E+00	0.00E+00	0.00E+00	5.21E-06	3.83E-03	0.00E+00	0.00E+00	3.83E-03
90 ALL	447506.8	3761968	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.20E-06	4.20E-06	4.20E-06	3.50E-04	0.00E+00	0.00E+00	0.00E+00	4.20E-06	3.09E-03	0.00E+00	0.00E+00	3.09E-03
91 ALL	447269.3	3761968	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.72E-06	3.72E-06	3.72E-06	3.08E-04	0.00E+00	0.00E+00	0.00E+00	3.72E-06	2.73E-03	0.00E+00	0.00E+00	2.73E-03
92 ALL	447389.5	3761909	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.51E-06	3.51E-06	3.51E-06	2.99E-04	0.00E+00	0.00E+00	0.00E+00	3.51E-06	2.58E-03	0.00E+00	0.00E+00	2.58E-03
93 ALL	447019.1	3761964	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.11E-06	3.11E-06	3.11E-06	2.56E-04	0.00E+00	0.00E+00	0.00E+00	3.11E-06	2.29E-03	0.00E+00	0.00E+00	2.29E-03
94 ALL	447060.3	3761964	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.16E-06	3.16E-06	3.16E-06	2.63E-04	0.00E+00	0.00E+00	0.00E+00	3.16E-06	2.33E-03	0.00E+00	0.00E+00	2.33E-03
95 ALL	446975.3	3761963	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.05E-06	3.05E-06	3.05E-06	2.49E-04	0.00E+00	0.00E+00	0.00E+00	3.05E-06	2.25E-03	0.00E+00	0.00E+00	2.25E-03
96 ALL	446940.9	3761954	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.94E-06	2.94E-06	2.94E-06	2.40E-04	0.00E+00	0.00E+00	0.00E+00	2.94E-06	2.17E-03	0.00E+00	0.00E+00	2.17E-03
97 ALL	446865.7	3761975	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.01E-06	3.01E-06	3.01E-06	2.36E-04	0.00E+00	0.00E+00	0.00E+00	3.01E-06	2.22E-03	0.00E+00	0.00E+00	2.22E-03
98 ALL	446795.1	3761958	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.76E-06	2.76E-06	2.19E-04	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.04E-03	0.00E+00	0.00E+00	2.04E-03
99 ALL	446757.7	3761966	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.76E-06	2.76E-06	2.16E-04	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.04E-03	0.00E+00	0.00E+00	2.04E-03
100 ALL	446709.3	3761968	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.68E-06	2.68E-06	2.68E-06	2.09E-04	0.00E+00	0.00E+00	0.00E+00	2.68E-06	1.97E-03	0.00E+00	0.00E+00	1.97E-03
101 ALL	446796.4	3762029	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.47E-06	3.47E-06	3.47E-06	2.48E-04	0.00E+00	0.00E+00	0.00E+00	3.47E-06	2.56E-03	0.00E+00	0.00E+00	2.56E-03
102 ALL	446797	3762045	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.70E-06	3.70E-06	3.70E-06	2.57E-04	0.00E+00	0.00E+00	0.00E+00	3.70E-06	2.74E-03	0.00E+00	0.00E+00	2.74E-03
103 ALL	446796.7	3762090	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.54E-06	4.54E-06	4.54E-06	2.87E-04	0.00E+00	0.00E+00	0.00E+00	4.54E-06	3.36E-03	0.00E+00	0.00E+00	3.36E-03
104 ALL	446796.2	3762106	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.95E-06	4.95E-06	4.95E-06	3.01E-04	0.00E+00	0.00E+00	0.00E+00	4.95E-06	3.67E-03	0.00E+00	0.00E+00	3.67E-03
105 ALL	446796.7	3762137	NonCancer	0.00E+00	0.0													

109 ALL	446796.4	3762451	NonCancer	0.00E+00	0.00E+00	0.00E+00	9.74E-06	9.74E-06	9.74E-06	5.39E-04	0.00E+00	0.00E+00	0.00E+00	9.74E-06	6.90E-03	0.00E+00	0.00E+00	6.90E-03
110 ALL	446796.4	3762471	NonCancer	0.00E+00	0.00E+00	0.00E+00	8.01E-06	8.01E-06	8.01E-06	4.68E-04	0.00E+00	0.00E+00	0.00E+00	8.01E-06	5.71E-03	0.00E+00	0.00E+00	5.71E-03
111 ALL	446797.2	3762496	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.51E-06	6.51E-06	6.51E-06	4.12E-04	0.00E+00	0.00E+00	0.00E+00	6.51E-06	4.66E-03	0.00E+00	0.00E+00	4.66E-03
112 ALL	446798.1	3762517	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.61E-06	5.61E-06	5.61E-06	3.80E-04	0.00E+00	0.00E+00	0.00E+00	5.61E-06	4.03E-03	0.00E+00	0.00E+00	4.03E-03
113 ALL	446797.8	3762540	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.80E-06	4.80E-06	4.80E-06	3.53E-04	0.00E+00	0.00E+00	0.00E+00	4.80E-06	3.46E-03	0.00E+00	0.00E+00	3.46E-03
114 ALL	446797.5	3762560	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.27E-06	4.27E-06	4.27E-06	3.35E-04	0.00E+00	0.00E+00	0.00E+00	4.27E-06	3.08E-03	0.00E+00	0.00E+00	3.08E-03
115 ALL	446798.6	3762585	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.77E-06	3.77E-06	3.77E-06	3.19E-04	0.00E+00	0.00E+00	0.00E+00	3.77E-06	2.73E-03	0.00E+00	0.00E+00	2.73E-03
116 ALL	446798.1	3762604	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.44E-06	3.44E-06	3.44E-06	3.09E-04	0.00E+00	0.00E+00	0.00E+00	3.44E-06	2.49E-03	0.00E+00	0.00E+00	2.49E-03
117 ALL	446799.7	3762654	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.83E-06	2.83E-06	2.83E-06	2.91E-04	0.00E+00	0.00E+00	0.00E+00	2.83E-06	2.06E-03	0.00E+00	0.00E+00	2.06E-03
118 ALL	446800.0	3762675	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.61E-06	2.61E-06	2.61E-06	2.85E-04	0.00E+00	0.00E+00	0.00E+00	2.61E-06	1.85E-03	0.00E+00	0.00E+00	1.85E-03
119 ALL	446800.3	3762700	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.37E-06	2.37E-06	2.37E-06	2.77E-04	0.00E+00	0.00E+00	0.00E+00	2.37E-06	1.69E-03	0.00E+00	0.00E+00	1.69E-03
120 ALL	446800.3	3762721	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.23E-06	2.23E-06	2.23E-06	2.73E-04	0.00E+00	0.00E+00	0.00E+00	2.23E-06	1.59E-03	0.00E+00	0.00E+00	1.59E-03
121 ALL	446800.0	3762736	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.14E-06	2.14E-06	2.14E-06	2.71E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-06	1.53E-03	0.00E+00	0.00E+00	1.53E-03
122 ALL	446797.8	3762748	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.07E-06	2.07E-06	2.07E-06	2.68E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03
123 ALL	446802.2	3762913	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.51E-06	1.51E-06	1.51E-06	2.53E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03
124 ALL	446802.2	3762933	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.46E-06	1.46E-06	1.46E-06	2.52E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03
125 ALL	446802.4	3762949	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.42E-06	1.42E-06	1.42E-06	2.50E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03
126 ALL	446803.3	3762967	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.39E-06	1.39E-06	1.39E-06	2.49E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-06	9.95E-04	0.00E+00	0.00E+00	9.95E-04
127 ALL	446802.7	3762986	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.34E-06	1.34E-06	1.34E-06	2.47E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-06	9.65E-04	0.00E+00	0.00E+00	9.65E-04
128 ALL	446802.2	3763003	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.30E-06	1.30E-06	1.30E-06	2.44E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-06	9.36E-04	0.00E+00	0.00E+00	9.36E-04
129 ALL	446802.2	3763022	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.26E-06	1.26E-06	1.26E-06	2.42E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-06	9.08E-04	0.00E+00	0.00E+00	9.08E-04
130 ALL	446802.7	3763041	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.22E-06	1.22E-06	1.22E-06	2.40E-04	0.00E+00	0.00E+00	0.00E+00	1.22E-06	8.77E-04	0.00E+00	0.00E+00	8.77E-04
131 ALL	446803.3	3763059	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.18E-06	1.18E-06	1.18E-06	2.38E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-06	8.45E-04	0.00E+00	0.00E+00	8.45E-04
132 ALL	446803.5	3763077	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.15E-06	1.15E-06	2.36E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-06	8.22E-04	0.00E+00	0.00E+00	8.22E-04
133 ALL	446756.3	3763085	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.12E-06	1.12E-06	2.16E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-06	8.02E-04	0.00E+00	0.00E+00	8.02E-04
134 ALL	446807.7	3763646	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.45E-07	5.45E-07	5.45E-07	1.37E-04	0.00E+00	0.00E+00	0.00E+00	5.45E-07	3.92E-04	0.00E+00	0.00E+00	3.92E-04
135 ALL	446808.3	3763675	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.30E-07	5.30E-07	5.30E-07	1.33E-04	0.00E+00	0.00E+00	0.00E+00	5.30E-07	3.82E-04	0.00E+00	0.00E+00	3.82E-04
136 ALL	446807.7	3763695	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.20E-07	5.20E-07	5.20E-07	1.29E-04	0.00E+00	0.00E+00	0.00E+00	5.20E-07	3.74E-04	0.00E+00	0.00E+00	3.74E-04
137 ALL	446808.3	3763711	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.13E-07	5.13E-07	5.13E-07	1.27E-04	0.00E+00	0.00E+00	0.00E+00	5.13E-07	3.69E-04	0.00E+00	0.00E+00	3.69E-04
138 ALL	446808.3	3763726	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.05E-07	5.05E-07	5.05E-07	1.25E-04	0.00E+00	0.00E+00	0.00E+00	5.05E-07	3.64E-04	0.00E+00	0.00E+00	3.64E-04
139 ALL	446808.3	3763742	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.99E-07	4.99E-07	4.99E-07	1.22E-04	0.00E+00	0.00E+00	0.00E+00	4.99E-07	3.59E-04	0.00E+00	0.00E+00	3.59E-04
140 ALL	446808.3	3763757	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.92E-07	4.92E-07	4.92E-07	1.20E-04	0.00E+00	0.00E+00	0.00E+00	4.92E-07	3.54E-04	0.00E+00	0.00E+00	3.54E-04
141 ALL	446808.6	3763798	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.72E-07	4.72E-07	4.72E-07	1.14E-04	0.00E+00	0.00E+00	0.00E+00	4.72E-07	3.40E-04	0.00E+00	0.00E+00	3.40E-04
142 ALL	446810.3	3764484	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.60E-07	2.60E-07	2.60E-07	5.11E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-07	1.89E-04	0.00E+00	0.00E+00	1.89E-04
143 ALL	446781.3	3764475	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.60E-07	2.60E-07	2.60E-07	5.08E-05	0.00E+00	0.00E+00	0.00E+00	2.60E-07	1.88E-04	0.00E+00	0.00E+00	1.88E-04
144 ALL	446722.6	3764456	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.59E-07	2.59E-07	2.59E-07	5.04E-05	0.00E+00	0.00E+00	0.00E+00	2.59E-07	1.88E-04	0.00E+00	0.00E+00	1.88E-04
145 ALL	446170.3	3764560	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.08E-07	2.08E-07	2.08E-07	3.62E-05	0.00E+00	0.00E+00	0.00E+00	2.08E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04
146 ALL	446872.3	3763190	NonCancer	0.00E+00	0.00E+00	0.00E+00	9.75E-07	9.75E-07	9.75E-07	2.52E-04	0.00E+00	0.00E+00	0.00E+00	9.75E-07	6.99E-04	0.00E+00	0.00E+00	6.99E-04
147 ALL	446925.2	3763179	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.02E-06	1.02E-06	1.02E-06	2.88E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-06	7.33E-04	0.00E+00	0.00E+00	7.33E-04
148 ALL	446984.9	3763195	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.05E-06	1.05E-06	3.38E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-06	7.55E-04	0.00E+00	0.00E+00	7.55E-04
149 ALL	447010.6	3763193	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.07E-06	1.07E-06	3.65E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-06	7.66E-04	0.00E+00	0.00E+00	7.66E-04
150 ALL	447036.6	3763194	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.09E-06	1.09E-06	3.98E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-06	7.82E-04	0.00E+00	0.00E+00	7.82E-04
151 ALL	447053.6	3763193	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.10E-06	1.10E-06	4.23E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-06	7.92E-04	0.00E+00	0.00E+00	7.92E-04
152 ALL	447076.4	3763192	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.12E-06	1.12E-06	4.61E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-06	8.06E-04	0.00E+00	0.00E+00	8.06E-04
153 ALL	447093.5	3763193	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.13E-06	1.13E-06	4.92E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-06	8.13E-04	0.00E+00	0.00E+00	8.13E-04
154 ALL	447122.1	3763193	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.17E-06	1.17E-06	5.58E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-06	8.35E-04	0.00E+00	0.00E+00	8.35E-04
155 ALL	447138.8	3763192	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.18E-06	1.18E-06	1.18E-06	6.04E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-06	8.48E-04	0.00E+00	0.00E+00	8.48E-04
156 ALL	447168.0	3763192	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.21E-06	1.21E-06	1.21E-06	6.98E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-06	8.68E-04	0.00E+00	0.00E+00	8.68E-04
157 ALL	447170.7	3763172	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.26E-06	1.26E-06	1.26E-06	7.07E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-06	9.00E-04	0.00E+00	0.00E+00	9.00E-04
158 ALL	447170.4	3763158	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.29E-06	1.29E-06	1.29E-06	7.05E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-06	9.22E-04	0.00E+00	0.00E+00	9.22E-04
159 ALL	447169.3	3763145	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.31E-06	1.31E-06	1.31E-06	7.01E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-06	9.40E-04	0.00E+00	0.00E+00	9.40E-04

164 ALL	447148.6	3763020	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.61E-06	1.61E-06	1.61E-06	6.33E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03
165 ALL	447148.6	3762997	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.69E-06	1.69E-06	1.69E-06	6.30E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-06	1.21E-03	0.00E+00	0.00E+00	1.21E-03
166 ALL	447206.1	3762958	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.95E-06	1.95E-06	1.95E-06	8.13E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-06	1.40E-03	0.00E+00	0.00E+00	1.40E-03
167 ALL	447209.3	3762923	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.13E-06	2.13E-06	2.13E-06	7.83E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-06	1.54E-03	0.00E+00	0.00E+00	1.54E-03
168 ALL	447208.4	3762891	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.28E-06	2.28E-06	2.28E-06	7.39E-04	0.00E+00	0.00E+00	0.00E+00	2.28E-06	1.65E-03	0.00E+00	0.00E+00	1.65E-03
169 ALL	447145.8	3762889	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.15E-06	2.15E-06	2.15E-06	5.86E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-06	1.56E-03	0.00E+00	0.00E+00	1.56E-03
170 ALL	447122.6	3762889	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.10E-06	2.10E-06	2.10E-06	5.43E-04	0.00E+00	0.00E+00	0.00E+00	2.10E-06	1.52E-03	0.00E+00	0.00E+00	1.52E-03
171 ALL	447094.3	3762890	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.04E-06	2.04E-06	2.04E-06	4.98E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03
172 ALL	447071	3762890	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.00E-06	2.00E-06	2.00E-06	4.65E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-06	1.44E-03	0.00E+00	0.00E+00	1.44E-03
173 ALL	447043.6	3762890	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.95E-06	1.95E-06	1.95E-06	4.32E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-06	1.41E-03	0.00E+00	0.00E+00	1.41E-03
174 ALL	447017.8	3762889	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.90E-06	1.90E-06	4.04E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.37E-03	0.00E+00	0.00E+00	1.37E-03
175 ALL	446992.1	3762889	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.86E-06	1.86E-06	1.86E-06	3.79E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-06	1.34E-03	0.00E+00	0.00E+00	1.34E-03
176 ALL	446964.3	3762888	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.81E-06	1.81E-06	1.81E-06	3.55E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-06	1.30E-03	0.00E+00	0.00E+00	1.30E-03
177 ALL	446940.4	3762888	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.78E-06	1.78E-06	1.78E-06	3.36E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-06	1.28E-03	0.00E+00	0.00E+00	1.28E-03
178 ALL	446911.2	3762888	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.74E-06	1.74E-06	1.74E-06	3.16E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-06	1.25E-03	0.00E+00	0.00E+00	1.25E-03
179 ALL	446885.4	3762890	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.69E-06	1.69E-06	1.69E-06	3.00E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03
180 ALL	446862.1	3762889	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.66E-06	1.66E-06	1.66E-06	2.86E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03
181 ALL	446871.5	3762780	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.09E-06	2.09E-06	2.09E-06	3.01E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-06	1.50E-03	0.00E+00	0.00E+00	1.50E-03
182 ALL	446926.3	3762769	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.27E-06	2.27E-06	2.27E-06	3.35E-04	0.00E+00	0.00E+00	0.00E+00	2.27E-06	1.63E-03	0.00E+00	0.00E+00	1.63E-03
183 ALL	446983.7	3762774	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.37E-06	2.37E-06	2.37E-06	3.76E-04	0.00E+00	0.00E+00	0.00E+00	2.37E-06	1.70E-03	0.00E+00	0.00E+00	1.70E-03
184 ALL	447009	3762774	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.43E-06	2.43E-06	2.43E-06	3.97E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-06	1.75E-03	0.00E+00	0.00E+00	1.75E-03
185 ALL	447030.5	3762774	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.50E-06	2.50E-06	2.50E-06	4.17E-04	0.00E+00	0.00E+00	0.00E+00	2.50E-06	1.80E-03	0.00E+00	0.00E+00	1.80E-03
186 ALL	447055.4	3762774	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.57E-06	2.57E-06	2.57E-06	4.41E-04	0.00E+00	0.00E+00	0.00E+00	2.57E-06	1.85E-03	0.00E+00	0.00E+00	1.85E-03
187 ALL	447076.9	3762774	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.62E-06	2.62E-06	2.62E-06	4.63E-04	0.00E+00	0.00E+00	0.00E+00	2.62E-06	1.89E-03	0.00E+00	0.00E+00	1.89E-03
188 ALL	447101.2	3762774	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.67E-06	2.67E-06	2.67E-06	4.90E-04	0.00E+00	0.00E+00	0.00E+00	2.67E-06	1.92E-03	0.00E+00	0.00E+00	1.92E-03
189 ALL	447123.9	3762774	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.73E-06	2.73E-06	2.73E-06	5.18E-04	0.00E+00	0.00E+00	0.00E+00	2.73E-06	1.97E-03	0.00E+00	0.00E+00	1.97E-03
190 ALL	447148.1	3762775	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.78E-06	2.78E-06	2.78E-06	5.50E-04	0.00E+00	0.00E+00	0.00E+00	2.78E-06	2.01E-03	0.00E+00	0.00E+00	2.01E-03
191 ALL	447170.2	3762775	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.84E-06	2.84E-06	2.84E-06	5.82E-04	0.00E+00	0.00E+00	0.00E+00	2.84E-06	2.06E-03	0.00E+00	0.00E+00	2.06E-03
192 ALL	447196.8	3762775	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.92E-06	2.92E-06	2.92E-06	6.25E-04	0.00E+00	0.00E+00	0.00E+00	2.92E-06	2.12E-03	0.00E+00	0.00E+00	2.12E-03
193 ALL	447242.1	3762777	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.08E-06	3.08E-06	3.08E-06	7.07E-04	0.00E+00	0.00E+00	0.00E+00	3.08E-06	2.24E-03	0.00E+00	0.00E+00	2.24E-03
194 ALL	447262.3	3762776	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.17E-06	3.17E-06	3.17E-06	7.49E-04	0.00E+00	0.00E+00	0.00E+00	3.17E-06	2.30E-03	0.00E+00	0.00E+00	2.30E-03
195 ALL	447294.6	3762776	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.32E-06	3.32E-06	3.32E-06	8.25E-04	0.00E+00	0.00E+00	0.00E+00	3.32E-06	2.41E-03	0.00E+00	0.00E+00	2.41E-03
196 ALL	447313.1	3762775	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.41E-06	3.41E-06	3.41E-06	8.76E-04	0.00E+00	0.00E+00	0.00E+00	3.41E-06	2.49E-03	0.00E+00	0.00E+00	2.49E-03
197 ALL	447313.4	3762750	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.68E-06	3.68E-06	3.68E-06	8.88E-04	0.00E+00	0.00E+00	0.00E+00	3.68E-06	2.68E-03	0.00E+00	0.00E+00	2.68E-03
198 ALL	447327.9	3762713	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.25E-06	4.25E-06	4.25E-06	9.92E-04	0.00E+00	0.00E+00	0.00E+00	4.25E-06	3.10E-03	0.00E+00	0.00E+00	3.10E-03
199 ALL	447327.4	3762680	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.80E-06	4.80E-06	4.80E-06	1.04E-03	0.00E+00	0.00E+00	0.00E+00	4.80E-06	3.53E-03	0.00E+00	0.00E+00	3.53E-03
200 ALL	447327.7	3762657	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.22E-06	5.22E-06	5.22E-06	1.08E-03	0.00E+00	0.00E+00	0.00E+00	5.22E-06	3.83E-03	0.00E+00	0.00E+00	3.83E-03
201 ALL	447327.3	3762637	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.62E-06	5.62E-06	5.62E-06	1.10E-03	0.00E+00	0.00E+00	0.00E+00	5.62E-06	4.12E-03	0.00E+00	0.00E+00	4.12E-03
202 ALL	447327.5	3762613	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.14E-06	6.14E-06	6.14E-06	1.12E-03	0.00E+00	0.00E+00	0.00E+00	6.14E-06	4.49E-03	0.00E+00	0.00E+00	4.49E-03
203 ALL	447327.3	3762592	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.62E-06	6.62E-06	6.62E-06	1.12E-03	0.00E+00	0.00E+00	0.00E+00	6.62E-06	4.83E-03	0.00E+00	0.00E+00	4.83E-03
204 ALL	447327	3762570	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.15E-06	7.15E-06	7.15E-06	1.11E-03	0.00E+00	0.00E+00	0.00E+00	7.15E-06	5.21E-03	0.00E+00	0.00E+00	5.21E-03
205 ALL	447327.3	3762548	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.68E-06	7.68E-06	7.68E-06	1.10E-03	0.00E+00	0.00E+00	0.00E+00	7.68E-06	5.58E-03	0.00E+00	0.00E+00	5.58E-03
206 ALL	447326.6	3762525	NonCancer	0.00E+00	0.00E+00	0.00E+00	8.19E-06	8.19E-06	8.19E-06	1.07E-03	0.00E+00	0.00E+00	0.00E+00	8.19E-06	5.94E-03	0.00E+00	0.00E+00	5.94E-03
207 ALL	447326.6	3762506	NonCancer	0.00E+00	0.00E+00	0.00E+00	8.56E-06	8.56E-06	8.56E-06	1.05E-03	0.00E+00	0.00E+00	0.00E+00	8.56E-06	6.20E-03	0.00E+00	0.00E+00	6.20E-03
208 ALL	447327.5	3762478	NonCancer	0.00E+00	0.00E+00	0.00E+00	9.02E-06	9.02E-06	9.02E-06	1.02E-03	0.00E+00	0.00E+00	0.00E+00	9.02E-06	6.54E-03	0.00E+00	0.00E+00	6.54E-03
209 ALL	447325.9	3762454	NonCancer	0.00E+00	0.00E+00	0.00E+00	9.20E-06	9.20E-06	9.20E-06	9.99E-04	0.00E+00	0.00E+00	0.00E+00	9.20E-06	6.69E-03	0.00E+00	0.00E+00	6.69E-03
210 ALL	447225.6	3762433	NonCancer	0.00E+00	0.00E+00	0.00E+00	8.94E-06	8.94E-06	8.94E-06	8.32E-04	0.00E+00	0.00E+00	0.00E+00	8.94E-06	6.46E-03	0.00E+00	0.00E+00	6.46E-03
211 ALL	447200.3	3762431	NonCancer	0.00E+00	0.00E+00	0.00E+00	9.33E-06	9.33E-06	9.33E-06	8.19E-04	0.00E+00	0.00E+00	0.00E+00	9.33E-06	6.72E-03	0.00E+00	0.00E+00	6.72E-03
212 ALL	447156.9	3762430	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.05E-05	1.05E-05	1.05E-05	8.06E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-05	7.50E-03	0.00E+00	0.00E+00	7.50E-03
213 ALL	447131.8	3762431	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.14E-05	1.14E-05	1.14E-05	8.06E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-05	8.14E-03	0.00E+00	0.00E+00	8.14E-03
214 ALL	447102.7	3762431	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.28E-05	1.28E-05	1.28E-05	8.20E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-05	9.09E-03	0.00E+00	0.00E+00	9.09E-03
215 ALL																		

219 ALL	446941.4	3762435	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.87E-05	1.87E-05	1.87E-05	8.71E-04	0.00E+00	0.00E+00	0.00E+00	1.87E-05	1.35E-02	0.00E+00	0.00E+00	1.35E-02
220 ALL	446916.1	3762437	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.84E-05	1.84E-05	1.84E-05	8.46E-04	0.00E+00	0.00E+00	0.00E+00	1.84E-05	1.31E-02	0.00E+00	0.00E+00	1.31E-02
221 ALL	446876.4	3762437	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.81E-05	1.81E-05	1.81E-05	8.24E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-05	1.28E-02	0.00E+00	0.00E+00	1.28E-02
222 ALL	446848.9	3762647	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.12E-06	3.12E-06	3.12E-06	3.18E-04	0.00E+00	0.00E+00	0.00E+00	3.12E-06	2.27E-03	0.00E+00	0.00E+00	2.27E-03
223 ALL	446848.9	3762563	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.67E-06	4.67E-06	4.67E-06	3.65E-04	0.00E+00	0.00E+00	0.00E+00	4.67E-06	3.38E-03	0.00E+00	0.00E+00	3.38E-03
224 ALL	446849.2	3762510	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.85E-06	6.85E-06	6.85E-06	4.35E-04	0.00E+00	0.00E+00	0.00E+00	6.85E-06	4.92E-03	0.00E+00	0.00E+00	4.92E-03
225 ALL	446849.2	3762456	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.23E-05	1.23E-05	1.23E-05	6.23E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-05	8.72E-03	0.00E+00	0.00E+00	8.72E-03
226 ALL	446848.9	3762702	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.51E-06	2.51E-06	2.51E-06	3.01E-04	0.00E+00	0.00E+00	0.00E+00	2.51E-06	1.79E-03	0.00E+00	0.00E+00	1.79E-03
227 ALL	446849.5	3762755	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.17E-06	2.17E-06	2.17E-06	2.92E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-06	1.55E-03	0.00E+00	0.00E+00	1.55E-03
228 ALL	446739.8	3762429	NonCancer	0.00E+00	0.00E+00	0.00E+00	7.46E-06	7.46E-06	7.46E-06	4.89E-04	0.00E+00	0.00E+00	0.00E+00	7.46E-06	5.31E-03	0.00E+00	0.00E+00	5.31E-03
229 ALL	446711.8	3762424	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.11E-06	6.11E-06	6.11E-06	4.41E-04	0.00E+00	0.00E+00	0.00E+00	6.11E-06	4.37E-03	0.00E+00	0.00E+00	4.37E-03
230 ALL	446687.3	3762416	NonCancer	0.00E+00	0.00E+00	0.00E+00	5.24E-06	5.24E-06	5.24E-06	4.12E-04	0.00E+00	0.00E+00	0.00E+00	5.24E-06	3.76E-03	0.00E+00	0.00E+00	3.76E-03
231 ALL	446662.2	3762412	NonCancer	0.00E+00	0.00E+00	0.00E+00	4.49E-06	4.49E-06	4.49E-06	3.75E-04	0.00E+00	0.00E+00	0.00E+00	4.49E-06	3.23E-03	0.00E+00	0.00E+00	3.23E-03
232 ALL	446636.2	3762404	NonCancer	0.00E+00	0.00E+00	0.00E+00	3.91E-06	3.91E-06	3.91E-06	3.50E-04	0.00E+00	0.00E+00	0.00E+00	3.91E-06	2.82E-03	0.00E+00	0.00E+00	2.82E-03
233 ALL	449981.7	3762732	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.60E-06	1.60E-06	1.60E-06	1.59E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03
234 ALL	446486.8	3762232	NonCancer	0.00E+00	0.00E+00	0.00E+00	2.19E-06	2.19E-06	2.19E-06	3.49E-04	0.00E+00	0.00E+00	0.00E+00	2.19E-06	1.60E-03	0.00E+00	0.00E+00	1.60E-03
235 ALL	446262	3762068	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.21E-06	1.21E-06	1.21E-06	2.81E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-06	8.85E-04	0.00E+00	0.00E+00	8.85E-04
236 ALL	446443.2	3762292	NonCancer	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.90E-06	1.90E-06	2.67E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-06	1.39E-03	0.00E+00	0.00E+00	1.39E-03
237 ALL	446071.8	3762055	NonCancer	0.00E+00	0.00E+00	0.00E+00	8.81E-07	8.81E-07	8.81E-07	2.46E-04	0.00E+00	0.00E+00	0.00E+00	8.81E-07	6.45E-04	0.00E+00	0.00E+00	6.45E-04
238 ALL	446072.1	3761983	NonCancer	0.00E+00	0.00E+00	0.00E+00	8.74E-07	8.74E-07	8.74E-07	2.29E-04	0.00E+00	0.00E+00	0.00E+00	8.74E-07	6.40E-04	0.00E+00	0.00E+00	6.40E-04
239 ALL	446138.2	3762002	NonCancer	0.00E+00	0.00E+00	0.00E+00	9.68E-07	9.68E-07	9.68E-07	2.43E-04	0.00E+00	0.00E+00	0.00E+00	9.68E-07	7.09E-04	0.00E+00	0.00E+00	7.09E-04
240 ALL	445884.9	3762040	NonCancer	0.00E+00	0.00E+00	0.00E+00	6.90E-07	6.90E-07	6.90E-07	2.26E-04	0.00E+00	0.00E+00	0.00E+00	6.90E-07	5.05E-04	0.00E+00	0.00E+00	5.05E-04

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