

LIMITED METHANE INVESTIGATION REPORT

8731 Eucalyptus Avenue Ontario, California 91762

May 31, 2017

Partner Project Number: 16-161616.3

Prepared for:

Prologis

Pier 1, Bay 1 San Francisco, California 94111





May 31, 2017

Ms. Janet Frentzel **Prologis** Pier 1, Bay 1 San Francisco, California 94111

Limited Methane Investigation Report Subject:

> 8731 Eucalyptus Avenue Ontario, California 90501

Partner Project Number: 16-161616.3

Dear Ms. Frentzel:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the assessment performed on the above-referenced property. The following report describes the field activities, methods, and findings of the Limited Methane Investigation conducted at the above-referenced property.

This assessment was performed utilizing methods and procedures consistent with good commercial or customary practices designed to conform to acceptable industry standards. The independent conclusions represent Partner's best professional judgment based upon existing conditions and the information and data available to us during the course of this assignment.

We appreciate the opportunity to provide these services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Misty Ponce at (818) 337-1203.

Sincerely,

Partner Engineering and Science, Inc.

Kathy Lehnus

Senior Project Manager

Kathy hehms

Misty Ponce

Principal

Samantha J. Fujita, PG Regional Manager-Subsurface Investigation

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1.0 INTRODUCTION

1.1 Purpose

Partner Engineering and Science, Inc. (Partner) performed a Phase I Environmental Site Assessment (ESA) dated February 28, 2017 for the property at 8731 Eucalyptus Avenue, Ontario, California (the Site or the subject property). In the Phase I ESA, Partner identified the current and historical use of as a dairy farm, and recommended sampling. The purpose of this investigation was to investigate the soil on the subject property for the presence of methane in order to provide support for the future commercial/industrial development. Prologis provided project authorization of Partner Proposal Number P16-161616.3, and the work was conducted under the Master Services Agreement between Prologis and Partner dated April 18, 2013.

1.2 Limitations

This report presents a summary of work conducted by Partner. The work includes observations of site conditions encountered and the analytical results provided by an independent third party laboratory of samples collected during the course of the project. The number and location of samples were selected to provide the required information. However, it cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were accomplished in accordance with generally-accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

1.3 User Reliance

Prologis engaged Partner to perform this assessment as set forth by the Master Services Agreement between Prologis and Partner dated April 18, 2013 governing the nature, scope, and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Prologis. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.



This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed.



2.0 SITE BACKGROUND

2.1 Site Description

The subject property consists of 10 parcels of land comprising 73.86 acres located on the south side of Eucalyptus Avenue and north of Merrill Avenue within a mixed agricultural and industrial area of the City of Ontario in San Bernardino County, California. The subject property is currently operated as a dairy farm identified as the Minaberry Dairy. On-site operations consist of dairy farm activities (which includes milking/breeding of cows and equipment fueling/maintenance) and general residential space. On-site structures or features include: six single-family residences; two milk barns (one inactive); cattle staging areas; feeding corrals; manure/fertilizer storage areas; hay storage; pastures; a commodities barn (feed preparation); a pallet manufacturing company; horse corrals; and at least eight detention ponds. In addition to these site features, landscaped areas are located on the northern property boundary along Eucalyptus Avenue, on the southeastern property boundary along Merrill Avenue, and along a portion of Vineyard Avenue, extending south from Eucalyptus Avenue near the northeastern portion of the subject property.

Minaberry Dairy subleases out portions of their property to three separate businesses. Partida Fertilizer subleases approximately four acres and manufactures composting materials from manure for bulk sale to fertilizer manufacturers; Pallet Supply Wood Services subleases approximately 1/3 acre for the manufacturing of wood pallets; and an independent contractor (not named by the site contact) leases approximately seven acres for raising cattle for beef.

The immediately surrounding properties consist of similar dairy properties to the north across Eucalyptus Avenue (vacant and unidentified addresses); a distribution warehouse (8601 Merrill Avenue) and P&D Dairy (8749 Merrill Avenue) to the south, Majestic Dairy (8911 Eucalyptus Avenue) and Gardener Trucking (9032 Merrill Avenue) to the east; and Hettinga Dairy (GH Dairy) (8643 Eucalyptus Avenue) to the west.

2.2 Site History

The buildings were constructed between 1938 and 1975 (residences and barns) and between 1967 and 1975 (dairy operation buildings). According to historical sources, the subject property was a potato farm from at least 1938 until at least 1953 and was observed as a dairy farm by at least 1966 (with operations expanding throughout the property from the 1970s through the late 2000s).

The long term use of the subject property as a dairy farm was considered a recognized environmental condition (REC) in the Phase I ESA due to the potential for the build-up of methane, nitrates, and ammonia in soil from animal waste.

2.3 Geology and Hydrogeology

The subject property is located in the Upper Santa Ana Valley, a broad alluvial and fluvial plain located within the Los Angeles, Orange, Riverside, and San Bernardino Counties. The Upper Santa Ana Valley is a southwesterly draining basin bounded by the San Gabriel Mountains and San Bernardino Mountains on the north and east, the Puente and San Jose Hills on the west and the Jurupa Hills and the Santa Ana Mountains to the south. The mountain range on the north and south and the basement rock underlying the Valley, are primarily composed of granitic and metamorphic rock. The hills to the west are composed of Miocene



sandstone, shale, siltstone, and conglomerate. Within the Valley, the basement complex is overlain by a series of unconsolidated and semi-consolidated alluvial and fluvial sediments eroded from the surrounding mountain ranges. Subsurface lithology in the general vicinity is mapped as recent-age alluvium and colluvium.

Based on information obtained from the USDA Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as Delhi fine sand. The Delhi series consists of Class A high filtration rates. Soils are deep well drained to excessively drained sand and gravels. Slopes range from 0 to 1 percent. Soils encountered in the upper 15 feet of the subject property during this subsurface investigation were described as brown, fine-grained silty sand.

According to the Kamron Saremi of the Regional Water Quality Control Board (RWQCB), interviewed as part of Partner's Phase I ESA, groundwater in the vicinity of the subject property is 130 feet below ground surface (bgs) and flows toward the south-southwest. Groundwater was not encountered during soil investigation activities conducted as part of this scope of work (the soil boring terminus depth was 16 feet bgs).



3.0 FIELD ACTIVITIES

The Limited Methane Investigation included the advancement of 15 soil borings (B1 through B15), and collection of 18 soil gas grab samples (gas points B1 through B15 at 7 feet bgs and soil gas points B4, B7, and B14 at 15 feet bgs) for the analysis of representative soil gas samples. Refer to Table 1 and Section 3.5 for a summary of the borings advanced, sampling schedule, and laboratory analyses for this investigation.

3.1 Preparatory Activities

3.1.1 Utility Clearance

Partner delineated the work area with white spray paint and Underground Service Alert of Southern California (USA/SC) was contacted to clear public utility lines as required by law at least 48 hours prior to drilling activities.

3.1.2 Health and Safety Plan

Partner prepared and reviewed a site-specific Health and Safety Plan with on-site personnel involved in the project prior to the commencement of drilling activities.

On May 22, 2017, Partner subcontracted with Munoz Direct Push (Munoz) to provide and operate drilling equipment. Munoz, under the direction of Partner, advanced borings B1 through B15 with a truck-mounted Geoprobe Model 540MT direct push rig. Non-dedicated sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination.

3.2 Boring Locations

The soil borings / temporary soil gas probes were installed throughout the subject property spaced to allow for an overall assessment of methane throughout the subject property. The soil gas sampling locations were targeted within the planned industrial/commercial building footprints, and also within areas suspected to have a high accumulation of methane (e.g. ponds and pen areas).

Some boring placements were modified based on nearby presence of utilities and/or access by the drill rig, although the overall objectives of the sampling event were still met. Refer to Figure 2 for a map indicating boring / soil gas point locations.

3.3 Boring Depths

Borings B4, B7, and B15 were advanced to 16 feet bgs. The remaining borings were advanced to 8 feet bgs. Soil gas points were installed at 7 feet bgs in each location, and also at 15 feet bgs at soil gas points B4, B7, and B15 to assess deeper methane zones.

3.4 Soil Sampling

Soil samples were collected from borings B1 through B15 using a four-foot long by 1.5-inch diameter sampler with a four-foot long acetate liner and sampling point. The sampler was advanced by the direct-push drill rig using four-foot by 1.25-inch diameter hollow rods with the inner rods in place. At approximately one foot above the desired sampling depth, an inner rod was removed and the sampler was



advanced to the desired sampling depth to allow undisturbed soil to enter the sampling liner. The sampler was retrieved from the subsurface and the soil-filled liner was removed.

Each acetate liner was marked with the depths and were opened using a pipe-cutter and visually inspected for discoloration, monitored for odors, classified in accordance with the Unified Soil Classification System (Modified). They were also field-screened with a photoionization detector (PID). None of the samples exhibited extreme discoloration or odor and no elevated PID readings were encountered.

Soil samples were screened continuously in the borings and described (see Appendix B for written boring logs).

3.5 Soil Gas Sampling

Partner contracted Jones Environmental, Inc. (Jones) to collect soil gas samples from the temporary soil gas probes. Purging was completed using a pump set at approximately 200 cubic centimeters per minute (cc/min), except if noted differently on the chain of custody record. Three purge volumes were used, as recommended by July 2015 Department of Toxic Substances Control (DTSC)/Regional Water Quality Control Board (RWQCB) guidance documents.

Prior to purging and sampling, probe pressure was measured with a magnehelic gauge able to reach a limit of detection of 0.1 inches of H₂O and recorded in the field logs. No probes were found to be pressurized prior to purging and sampling. A shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system, and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then collected using a glass-tight syringe and containerizing into a Tedlar bag with a sampling rate of approximately 200 cc/min, except if noted differently on the chain of custody record.

A duplicate sample was collected from B5 at 7 feet bgs for quality control.

3.6 Post-Sampling Activities

Probes were removed from the subsurface and the boreholes were backfilled with hydrated bentonite chips following sampling activities.

No significant amounts of derived wastes were generated during this investigation.



4.0 LABORATORY ANALYSIS

4.1 Laboratory Analysis

Jones collected 18 soil gas samples on May 22, 2017, which were transported in two shifts on the same day to their fixed laboratory in Fullerton, California (California Department of Public Heath (CDPH) Environmental Laboratory Accreditation Program (ELAP) Certificate No. 2484), for methane analysis using American Society of Testing Materials (ASTM) Method D1946. A Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of soil gas samples. In addition, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. All samples were injected into the GC/MS system within 6 hours of sampling and no contamination was noted in the blanks.

4.2 Laboratory Analytical Results

Methane was detected in four soil gas samples: at concentrations of 4,000 parts per million per volume (ppmV) in the 7 foot probe at B8, 45,000 ppmV in the 7 foot probe at B10, 15,000 ppmV in the 7 foot probe at B14, and 10,000 ppmV in the 15 foot probe at B14. Methane was not detected in sample collected collected from B5 from 7 feet bgs or the duplicate.

Refer to Table 1 for a summary of the soil gas sample laboratory analysis results. The complete laboratory analytical report is included in Appendix B.



5.0 DISCUSSION AND CONCLUSIONS

5.1 Regulatory Agency Guidance

Environmental Protection Agency Regional Screening Levels

Environmental Protection Agency Regional Screening Levels (EPA RSLs) (formerly Preliminary Remediation Goals or PRG) are generic, risk-based chemical concentrations developed by EPA Region 9 for use in initial screening-level evaluations. EPA RSLs combine human health toxicity values with standard exposure factors to estimate contaminant concentrations that are considered to be health protective of human exposures over a lifetime through direct-contact exposure pathways (e.g., via inhalation and/or ingestion of and/or dermal contact with impacted soil and/or indoor air). EPA RSLs are not legally enforceable standards, but rather are considered guidelines to evaluate if potential risks associated with encountered chemical impacts may warrant further evaluation.

EPA has not developed EPA RSLs for methane in environmental media.

Department of Toxic Substances Control Attenuation Factor and Recommended Screening Levels

The DTSC Office of Human and Ecological Risk (HERO) developed California-Modified Recommended Screening Levels (DTSC RSLs) for soil and indoor air based on a review of 1) the differences in methodology between EPA PRGs/EPA RSLs 2) EPA RSL concentrations, and 3) recent toxicity values. Per DTSC, if a HERO value has not been developed, the EPA RSL can be used.

For soil gas, since soil gas detections are not immediately comparable to the indoor air quality guidelines within the RSLs, the DTSC issued recommended default attenuation factors of 0.05 (subslab sampling locations) and 0.002/0.001 (residential/commercial contaminant source sampling locations) for sites where the attenuation factor for the building slab is unknown or cannot be determined in the October 2011 document *Guidance for the Evaluation and Mitigation of Subsurface Gas Intrusion to Indoor Air*. With the subsurface contaminant concentrations and default attenuation factors, the associated contaminant concentrations in indoor air can be estimated as Calculated Residential and Commercial/Industrial Soil Gas Screening Levels (SGSLs).

DTSC has not developed RSLs for methane in environmental media. DTCS has developed two white papers on sampling of methane in California (*Evaluation of Biogenic Methane*, dated March 2012 and DTSC *Advisory on Methane Assessment and Common Remedies at School Sites*, dated June 2005). In addition, DTSC provides for soil gas sampling probe installation details in their *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance*), dated October 2011. Partner adhered to all three of those documents when sampling the Site and evaluating the resulting data.

City of Ontario Building Department Regulations

The City of Ontario has published Methane Design Guidelines for "Projects in the New Model Colony". According to Building Department personnel, those guidelines are applicable to any building development on farm properties (including dairy farms) and is independent of the planned building use (i.e. residential or commercial/industrial). Therefore, Partner has confirmed that the City of Ontario Methane Assessment for Projects in the New Model Colony document (Methane Design Document) is applicable to the subject property.



The Methane Design Document indicates that a Methane Site Assessment is required of any parcels used as animal farms or composting / fertilizer farms, and that the survey must be completed within "all lots in potential methane areas". The Methane Site Assessment must be completed within properties 30 days after building footprints have been put in place.

The Methane Design Document further indicates that all buildings are to be installed with 10-mil methane barrier with sealed penetrations, and that for properties with methane concentrations over 15,000 ppmV, is it additionally required that any remediation required by the engineer after the Methane Site Assessment is completed. Partner notes that methane was detected as high as 45,000 ppmV in soil gas within the Partida Fertilizer area of the subject property. A copy of the regulation is attached as Appendix C.

5.2 Discussion

The purpose of the investigation was to investigate the soil on the subject property for the presence of methane in order to provide support for the future commercial/industrial development. Methane was detected as high as 45,000 ppmV in soil gas within the Partida Fertilizer area of the subject property. During the development of the property, it is understood that the City of Ontario will require a full methane evaluation when the footprints of the planned buildings. At that time, the appropriate mitigation measures can be determined.

5.3 Conclusions and Recommendations

Based on the results of this subsurface investigation, soil gas sampling has indicated that there is not a widespread methane issue in soil gas at the subject property. However, an elevated concentration of methane was detected in the 7-foot bgs gas probe at B10, located in the Partida Fertilizer area, with borderline concentrations to the south in B14.

Partner recommends that further assessment of methane in soil gas be conducted during property redevelopment in at least the central-eastern area of the Site (where high methane was encountered during this survey) to determine extent of elevated methane and thereafter a mitigation measure can be determined. It is likely that the mitigation measure will be the application of a 10-mil liner with sealant at utility penetrations. Partner notes that a full site survey may be required by the City of Ontario.



TABLE



Table 1: Summary of Methane in Soil Gas

USEPA Method	D19	946	Methane
Sample Identification	Sample Depth	Date Collected	Concentration
Units	(feet bgs)	Date Collected	(ppmV)
B1	7	5/22/2017	ND<100
B2	7	5/22/2017	ND<100
В3	7	5/22/2017	ND<100
B4	7	5/22/2017	ND<100
B4	15	5/22/2017	ND<100
B5 (and Duplicate)	7	5/22/2017	ND<100
В6	7	5/22/2017	ND<100
В7	7	5/22/2017	ND<100
В7	15	5/22/2017	ND<100
B8	7	5/22/2017	4,000
В9	7	5/22/2017	ND<100
B10	7	5/22/2017	45,000
B11	7	5/22/2017	ND<100
B12	7	5/22/2017	ND<100
B13	7	5/22/2017	ND<100
B14	7	5/22/2017	15,000
B14	15	5/22/2017	10,000
B15	7	5/22/2017	ND<100
Ontario Methane D	esign Guidelines (Residential)	15,000

Notes:

USEPA = United States Environmental Protection Agency

ppmV = parts per million by volume

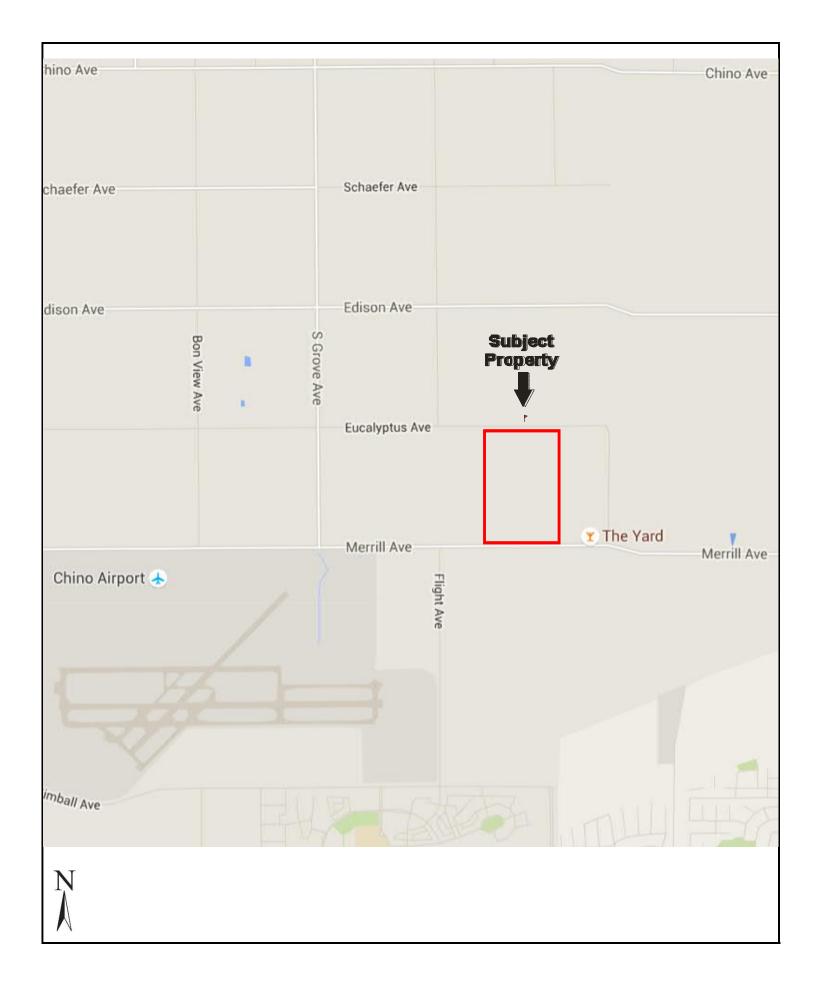
ND = not detected above indicated laboratory practical quantitation limits (PQLs)

45,000 Exceeds regulatory threshold noted

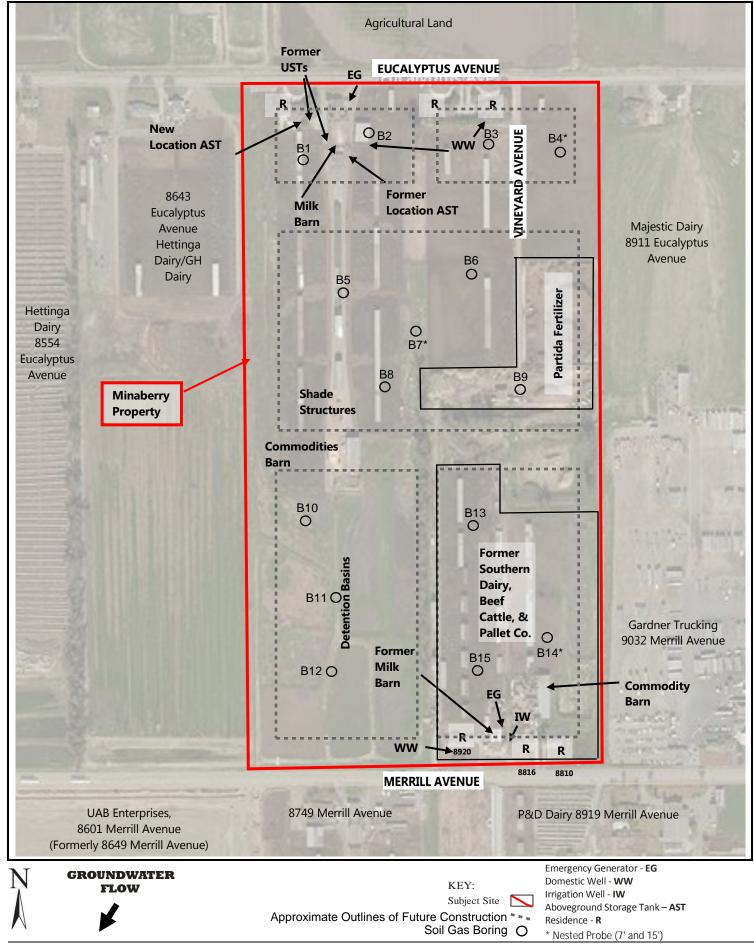
Limited Methane Investigation 8731 Eucalyptus Avenue Ontario, California 90501 Partner Project Number 16-161616.3 Page 1 of 1

FIGURES











APPENDIX A: BORING LOGS



BORING: B1

LIOIA	L DEPTE	1 : 8	•				Torrance, California 90501				
	PRO	JECT I	INFORM	MATIO	ON		DRILLING INFORMATION				
PROJECT	: Mina	berry La	nd Metha	ane Inv	vestigation	on	DEPTH TO GROUNDWATE	R: N/A			
LOCATION	N: Corra	al in norti	hwest cor	rner of	propert	y	RIG TYPE:	Truck-m	ounted Geopro	obe	
SITE ADDI	RESS: 8371	Eucalyp	otus Aven	nue			METHOD OF DRILLING:	Direct P	ush		
	Ontai	rio, CA 9	1762				SAMPLING METHODS:	4' Aceta	te Liners		
JOB NO.:	17-16	61616.3					BORING DIAMETER:	2"			
DATES DR	RILLED: 5/22/	2017					FIELD TECHNICIAN:	D.H.	D.H.		
DEPTH	SAMPLE	PID (bpm)		nscs	SOIL TYPE		SOIL TYPE		WELL DESIGN	WELL DESCRIPTION	
0	_										
_							th gravel, brown, with organic			- Hydrated Bentonite Chips	

BORING: B2 TOTAL DEPTH: 8'

101712	PROJ	ECT INFO	RMATI	ON		DRILLING INFORMATION				
PROJECT:		erry Land Met			on	DEPTH TO GROUNDWATER: N/A				
LOCATION:		east of milk b		g		RIG TYPE:	Truck-mounted Geoprobe			
SITE ADDRE						METHOD OF DRILLING:	Direct Push	•		
		o, CA 91762				SAMPLING METHODS:	4' Acetate Liners			
JOB NO.:		1616.3				BORING DIAMETER:	2"			
DATES DRILI						FIELD TECHNICIAN:	D.H.			
DEPTH SA	AMPLE	PID (mdd)	nscs	SOIL		SOIL TYPE	WELL DESIGN	WELL DESCRIPTION		
		<u> </u>		<i>0</i> –						
5-		0.1		SM				- Hydrated Bentonite Chips - Granular Bentonite - 0.25" Diameter Nyaflow Tubing - Hydrated Bentonite Chips - Sand Pack - 0.25" Diameter Vapor Implant - Sand Pack		
10										

BORING: B3

PARTNER
Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

TOTA	AL DEPTH	H: 8'	l			Torrance, California 90501				
	PRO	JECT I	INFORMAT	ION		DRILLING INFORMATION				
PROJEC	Γ: Mina	berry La	nd Methane I	nvestigati	on	DEPTH TO GROUNDWATER: N/A				
LOCATIO	N: North	nern bord	der, behind h	ouses		RIG TYPE:	Truck-mounted Geop	ruck-mounted Geoprobe		
SITE ADD	DRESS: 8371	Eucalyp	otus Avenue			METHOD OF DRILLING:	Direct Push			
	Onta	rio, CA 9	1762			SAMPLING METHODS:	4' Acetate Liners			
JOB NO.:	17-1	61616.3				BORING DIAMETER:	2"			
DATES D	RILLED: 5/22/	2017				FIELD TECHNICIAN:	D.H.			
DEPTH	SAMPLE	PID (ppm)	nscs	SOIL		SOIL TYPE	WELL DESIGN	WELL DESCRIPTION		
0_										
				: : : : : :	SILTY SAND, b	rown, with organic material		Hydrated Bentonite Chips		
-		0.0			SILTY SAND, b	rown, fine grained, loose, damp				
-		1.3						— Granular		
-		2.0		SM				Bentonite 0.25" Diameter Nyaflow Tubing		
5 –										
-					-fine to medium	grained, 6' to 8'		Hydrated Bentonite Chips		
		0.4		: .	Vapor probe ins	stalled at 7'		Sand Pack0.25" DiameterVapor ImplantSand Pack		
			푸프프	: .	Boring terminat	ed at 8'				

10

BORING: B4

PARTNER
Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

TOTAL DEPT	H: 16'				Torrance, California 90501			
PRO	DJECT INFO	RMATI	ON		DRILLING INFORMATION			
	aberry Land Met		_		DEPTH TO GROUNDWATE RIG TYPE:	R: N/A Truck-mounted Geopr	obe	
SITE ADDRESS: 837	1 Eucalyptus Av	enue			METHOD OF DRILLING:	Direct Push		
Onta	ario, CA 91762				SAMPLING METHODS:	4' Acetate Liners		
JOB NO.: 17-	161616.3				BORING DIAMETER:	2"		
DATES DRILLED: 5/22	2/2017				FIELD TECHNICIAN:	D.H.		
DEPTH SAMPLE	PID (mdd)	nscs	SOIL		SOIL TYPE	WELL DESIGN	WELL DESCRIPTION	
0								
	0.1				prown, with organic material prown, fine grained, loose, moist		 Hydrated Bentonite Chips 	
-	0.2						 Granular Bentonite 0.25" Diameter Nyaflow Tubing 	
5 -	0.0			SILTY SAND, li grained, compa	ght brown, fine to medium ct, moist		Hydrated Bentonite Chips	
	0.0		SM	Vapor probe ins	stalled at 7'		 0.25" Diameter Vapor Implant Sand Pack 	
10 -	0.0						- Granular	
	0.4						Bentonite	
15 -	0.0		SP	grained, compa Vapor probe in	stalled at 15'		 Hydrated Bentonite Chips 0.25" Diameter Vapor Implant Sand Pack 	
				Boring terminat	ed at 16'		Sana i aux	

NOTES: Vapor probe at 7' sampled at 12:54 pm on 5/22/2017 Vapor probe at 15' sampled at 12:59 pm on 5/22/2017

Page 1 of 1

BORING: B5
TOTAL DEPTH: 8'

TOTAL DEPTI	H: 8'				Torrance, California 90501			
PRO	DJECT INFO	RMATI	ON		DRILLIN	IG INFORMATION		
LOCATION: Alon SITE ADDRESS: 837' Onta	ario, CA 91762 61616.3	ay	vestigati	on	DEPTH TO GROUNDWATER RIG TYPE: METHOD OF DRILLING: SAMPLING METHODS: BORING DIAMETER: FIELD TECHNICIAN:	R: N/A Truck-mounted Geopre Direct Push 4' Acetate Liners 2" D.H.	obe	
DEPTH SAMPLE	PID (ppm)	nscs	SOIL		SOIL TYPE	WELL DESIGN	WELL DESCRIPTION	
5-	3.2 1.3 0.7 0.2		SM	SILTY SAND, b 3" concrete at s	stalled at 7'		- Hydrated Bentonite Chips - Granular Bentonite - 0.25" Diameter Nyaflow Tubing - Hydrated Bentonite Chips - Sand Pack - 0.25" Diameter Vapor Implant - Sand Pack	
-								

BORING: B6 TOTAL DEPTH: 8'

	PRO	JECT INFO	RMATI	ON		DRILLING INFORMATION			
PROJEC ⁻		berry Land Me			on	DEPTH TO GROUNDWATER: N/A			
LOCATIO		al east of Partic		ŭ	···	RIG TYPE:	Truck-mounted Geopre	obe	
		Eucalyptus Av				METHOD OF DRILLING:	Direct Push		
		rio, CA 91762				SAMPLING METHODS:	4' Acetate Liners		
JOB NO.:		61616.3				BORING DIAMETER:	2"		
DATES D	RILLED: 5/22/	/2017				FIELD TECHNICIAN:	D.H.		
DEPTH	SAMPLE	PID (ppm)	nscs	SOIL		SOIL TYPE	WELL DESIGN	WELL DESCRIPTION	
0_				1 -					
		0.0			SILTY SAND, b	rown, with organic material		- Hydrated Bentonite Chips	
_		0.0			SILTY SAND, b	rown, fine grained, loose, moist			
5		0.0		SM				- Granular Bentonite > 0.25" Diameter Nyaflow Tubing	
-					SILTY SAND wi	th Gravel, light brown, fine to l, compact, moist		- Hydrated Bentonite Chips	
_		0.7			Vapor probe ins	stalled at 7'		 Sand Pack 0.25" Diameter Vapor Implant Sand Pack 	
10					Boring terminate	ed at 8'			

BORING: B7

PARTNER
Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

TOTAL DEPTH	H: 16'					Torrance, Cal	lifornia 90501
PRO	JECT INFOR	RMATI	ON		DRILLI	NG INFORMATION	
LOCATION: Center SITE ADDRESS: 8371 Ontai	rio, CA 91762 61616.3	east of m	Ū		DEPTH TO GROUNDWATE RIG TYPE: METHOD OF DRILLING: SAMPLING METHODS: BORING DIAMETER: FIELD TECHNICIAN:	ER: N/A Truck-mounted Geopr Direct Push 4' Acetate Liners 2" D.H.	obe
DEPTH SAMPLE	PID (ppm)	nscs	SOIL		SOIL TYPE	WELL DESIGN	WELL DESCRIPTION
0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.7		SM	SILTY SAND, be loose, moist SILTY SAND we medium grained. Vapor probe instance.	ith gravel and trace organics, to coarse grained, compact,		- Hydrated Bentonite Chips - Granular Bentonite - 0.25" Diameter Nyaflow Tubing - Hydrated Bentonite Chips - 0.25" Diameter Vapor Implant Sand Pack - Granular Bentonite - Hydrated Bentonite Chips - 0.25" Diameter Vapor Implant Sand Pack

NOTES: Vapor probe at 7' sampled at 1:22 pm on 5/22/2017 Vapor probe at 15' sampled at 1:24 pm on 5/22/2017

Page 1 of 1

BORING: B8 Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

TOTAL DEPTH: 8'

	PRO	JECT INFO	RMATI	ON		DRILLING INFORMATION				
PROJEC	T: Mina	berry Land Me	thane In	vestigatio	on	DEPTH TO GROUNDWATER	PTH TO GROUNDWATER: N/A			
LOCATIO	N: Centi	ral corral east o	of main d	riveway		RIG TYPE:	Truck-mounted Geopro	bbe		
SITE ADI	DRESS: 8371	Eucalyptus Av	/enue			METHOD OF DRILLING:	Direct Push			
	Ontar	rio, CA 91762				SAMPLING METHODS:	4' Acetate Liners			
JOB NO.:	: 17-16	61616.3				BORING DIAMETER:	2"			
DATES D	RILLED: 5/22/	2017				FIELD TECHNICIAN:	D.H.			
DEPTH	SAMPLE	PID (mdd)	nscs	SOIL TYPE		SOIL TYPE	WELL DESIGN	WELL DESCRIPTION		
0	'	1	!							
5-		0.0 0.2 0.4		SM				Hydrated Bentonite Chips Granular Bentonite 0.25" Diameter Nyaflow Tubing Hydrated Bentonite Chips Sand Pack 0.25" Diameter Vapor Implant Sand Pack		
10										

BORING: B9

TOTAL DE	:PTH: 8'	ı			Torrance, California 90501			
	PROJECT I	INFORMATI	ON		DRILLII	NG INFORMATION		
PROJECT: LOCATION: SITE ADDRESS: JOB NO.: DATES DRILLED	South central 8371 Eucalyp Ontario, CA 9 17-161616.3		_		DEPTH TO GROUNDWATE RIG TYPE: METHOD OF DRILLING: SAMPLING METHODS: BORING DIAMETER: FIELD TECHNICIAN:	R: N/A Truck-mounted Geopr Direct Push 4' Acetate Liners 2" D.H.	obe	
DEPTH SAM	PLE (mdd)	nscs	SOIL TYPE		SOIL TYPE	WELL DESIGN	WELL DESCRIPTION	
5-	0.0		SM	loose, moist			- Hydrated Bentonite Chips - Granular Bentonite - 0.25" Diameter Nyaflow Tubing - Hydrated Bentonite Chips - Sand Pack - 0.25" Diameter Vapor Implant - Sand Pack	

BORING: B10 TOTAL DEPTH: 8'

IOTALL	DEPIN. 0				I	Torrance, Car	TION					
	PROJECT	INFORMATI	ON		DRILLING INFORMATION							
PROJECT:	Minaberry La	ınd Methane In	vestigati	on	DEPTH TO GROUNDWATER: N/A							
LOCATION:	Northern det	ention basin			RIG TYPE:	Truck-mounted Geoprobe						
SITE ADDRES	s: 8371 Eucaly _l	otus Avenue			METHOD OF DRILLING:	Direct Push						
	Ontario, CA 9	71762			SAMPLING METHODS: 4' Acetate Liners							
JOB NO.:	17-161616.3				BORING DIAMETER:	2"						
DATES DRILLE	ED: 5/22/2017				FIELD TECHNICIAN:	D.H.						
DEPTH SA	MPLE (mdd)	nscs	SOIL		SOIL TYPE	WELL DESIGN	WELL DESCRIPTION					
5-	0.0 0.0 0.0		SM		stalled at 7'		- Hydrated Bentonite Chips - Granular Bentonite 0.25" Diameter Nyaflow Tubing - Hydrated Bentonite Chips - Sand Pack 0.25" Diameter Vapor Implant - Sand Pack					
10												

BORING: B11
TOTAL DEPTH: 8'

TOTAL DEPT	п. о				T .	Totrance, California 90501						
PRO	DJECT INFO	RMAT	ION		DRILLING INFORMATION							
PROJECT: Min	aberry Land Me	ethane In	vestigati	on	DEPTH TO GROUNDWATE	DEPTH TO GROUNDWATER: N/A						
LOCATION: Nor	th berm betwee	n detent	ion basin	IS	RIG TYPE:	Truck-mounted Geopre	obe					
SITE ADDRESS: 837	1 Eucalyptus A	venue			METHOD OF DRILLING:	Direct Push						
Onta	ario, CA 91762				SAMPLING METHODS: 4' Acetate Liners							
JOB NO.: 17-	161616.3				BORING DIAMETER:	2"						
DATES DRILLED: 5/22	2/2017				FIELD TECHNICIAN:	D.H.						
DEPTH SAMPLE	PID (mdd)	nscs	SOIL		SOIL TYPE	WELL DESIGN	WELL DESCRIPTION					
0_ - - - - - - - - - - - - - - - - - - -	0.0 0.0 2.7 2.1		SM SC	CLAYEY SAND compact, wet	ith trace clay, dark brown, fine damp o, dark brown, fine grained, orown, fine grained, compact,	DESIGN	- Hydrated Bentonite Chips - O.25" Diameter Nyaflow Tubing - Hydrated Bentonite Chips - Sand Pack - O.25" Diameter Vapor Implant - Sand Pack					
10	10											

BORING: B12
TOTAL DEPTH: 8'

TOTAL DEPT	∃ : δ				1	Torrance, Cai	nce, California 90501					
PRO	JECT INFO	RMATI	ON		DRILLING INFORMATION							
PROJECT: Mina	aberry Land Me	ethane In	vestigati	on	DEPTH TO GROUNDWATER	R: N/A						
LOCATION: Sou	thern berm bet	ween det	ention b	asins	RIG TYPE:	Truck-mounted Geopre	obe					
SITE ADDRESS: 837	1 Eucalyptus A	venue			METHOD OF DRILLING:	Direct Push						
Onta	rio, CA 91762				SAMPLING METHODS:	4' Acetate Liners						
JOB NO.: 17-1	61616.3				BORING DIAMETER:	2"						
DATES DRILLED: 5/22	/2017				FIELD TECHNICIAN:	D.H.						
DEPTH SAMPLE	PID (ppm)	nscs	SOIL		SOIL TYPE	WELL DESIGN	WELL DESCRIPTION					
0												
	0.0			SILTY SAND, li	ght brown, loose, dry, with roots		 Hydrated Bentonite Chips 					
	0.0		-									
	0.7		SM	SILTY SAND w grained, compa	ith trace Clay, dark brown, fine ct, damp		Granular Bentonite 0.25" Diameter Nyaflow Tubing					
5	0.3						Hydrated Bentonite ChipsSand Pack					
	0.1			Vapor probe ins			 Sand Pack 0.25" Diameter Vapor Implant Sand Pack 					
10												

BORING: B13
TOTAL DEPTH: 8'

TOTAL DEPT	п. о				I	Torrance, Car						
PRO	DJECT INFO	RMATI	ION		DRILLIN	DRILLING INFORMATION						
PROJECT: Min	aberry Land Me	ethane In	vestigati	on	DEPTH TO GROUNDWATE	R: N/A						
LOCATION: Nor	theast of detent	tion basir	าร		RIG TYPE:	Truck-mounted Geoprobe						
SITE ADDRESS: 837	1 Eucalyptus A	venue			METHOD OF DRILLING:	Direct Push						
Ont	ario, CA 91762				SAMPLING METHODS: 4' Acetate Liners							
JOB NO.: 17-	161616.3				BORING DIAMETER:	2"						
DATES DRILLED: 5/22	2/2017				FIELD TECHNICIAN:	FIELD TECHNICIAN: D.H.						
DEPTH SAMPLE	PID (mdd)	nscs	SOIL		SOIL TYPE	WELL DESIGN	WELL DESCRIPTION					
5-	0.0 0.1 0.1 0.1		SM	material			- Hydrated Bentonite Chips - Granular Bentonite - 0.25" Diameter Nyaflow Tubing - Hydrated Bentonite Chips - Sand Pack - 0.25" Diameter Vapor Implant - Sand Pack					
10												

BORING: B14
TOTAL DEPTH: 16'

PARTNER
Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

TOTA	AL DEPTH	H: 16'					Torrance, C	California 90501					
	PRO	JECT INF	ORMATI	ON		DRILLING INFORMATION							
PROJEC ⁻	T: Mina	berry Land N	/lethane In	vestigati	on	DEPTH TO GROUNDWATE	ER: N/A						
LOCATIO	N: Sout	heast corral,	north of co	ommodit	y barn	RIG TYPE:	Truck-mounted Geo	probe					
SITE ADD	DRESS: 8371	Eucalyptus	Avenue			METHOD OF DRILLING:	Direct Push						
	Onta	rio, CA 9176	2			SAMPLING METHODS:	4' Acetate Liners						
JOB NO.: 17-161616.3						BORING DIAMETER:	2"						
DATES DRILLED: 5/22/2017						FIELD TECHNICIAN:	D.H.	I. WELL WELL					
DEPTH	SAMPLE	PID (mdd)	nscs	SOIL		SOIL TYPE		WELL DESCRIPTION					
					SILTY SAND, b	rown, with organic material							
		5.3			SILTY SAND, b	prown, fine grained, loose, mois	t	Bentonite Chips					
		1.3											
-		1.5						— Granular					
-		0.6						Bentonite 0.25" Diameter					
5 –								Nyaflow Tubing					
		0.4		014									
-		0.4		SM				HydratedBentonite Chips					
-		0.4	五字王		Vapor probe in	0.25" DiameterVapor Implant							
-		0.5			Sand F								
		0.6											
10 -		0.5											

SAND with Silt and Gravel, light brown, fine to

SILTY SAND, brown, fine grained, compact,

coarse grained, compact, moist

Vapor probe installed at 15'

Boring terminated at 16'

SP

SM

damp

0.3

0.5

0.7

15

20

Granular Bentonite

Hydrated Bentonite Chips

0.25" Diameter

Vapor Implant Sand Pack

BORING: B15
TOTAL DEPTH: 8'

PARTNER
Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

IOTALI	DEPTH:	8					Torrance, Ca	litornia 90501				
	PROJEC	T INFOR	RMATI	ON		DRILLING INFORMATION						
PROJECT:	Minaberry	Land Met	hane Inv	vestigatio	on	DEPTH TO GROUNDWATER	R: N/A					
LOCATION:	Southeast	corner of	property	near co	mmodity barn	RIG TYPE:	Truck-mounted Geopr	robe				
SITE ADDRES	ss: 8371 Euca	ılyptus Ave	enue			METHOD OF DRILLING:	Direct Push					
	Ontario, Ca	4 91762				SAMPLING METHODS:	4' Acetate Liners					
JOB NO.:	OB NO.: 17-161616.3 BORING DIAMETER				BORING DIAMETER:	2"						
DATES DRILLED: 5/22/2017					FIELD TECHNICIAN:	D.H.						
DEPTH SA	AMPLE Q	(mdd)	nscs	SOIL TYPE		SOIL TYPE		WELL DESCRIPTION				
0		_ ,		· · · · · · · · · · · · · · · · · · ·								
					SILTY SAND, b	rown, with organic material		Hydrated				
	0.0							Bentonite Chips				
-					SILTY SAND, b	rown, fine grained, loose, moist						
-	0.1											
								- Granular				
	0.3							Bentonite 0.25" Diameter				
-				SM				Nyaflow Tubing				
_												
5 –												
	0.4											
-								- Hydrated				
					Bento							
					Sand P		− Sand Pack					
				Vapor probe installed at 7' 0.25" Dia				0.25" Diameter				
	0.2				Vapor Implan ✓ Sand Pack							
			正治王 :		Boring terminat	ed at 8'						
1	1			l l			I					

10

APPENDIX B: LABORATORY ANALYTICAL REPORT FOR SOIL GAS



714-449-9937 562-646-1611 805-399-0060 11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Partner Engineering & Science
Client Address: 2154 Torrance Blvd, Suite 200

2154 Torrance Bivd, Su

Torrance, CA

Attn: Kathy Lehnus

Project Address: 8731 Eucalyptus Ave.

Ontario, CA

Report date: 5/22/2017 **JEL Ref. No.:** ST-10630

JEL Ref. No.: ST-10630 Client Ref. No.: 16-161616.2

Date Sampled: 5/22/2017

Date Received: 5/22/2017 **Date Analyzed:** 5/22/2017

Physical State: Soil Gas

ANALYSES REQUESTED

1. ASTM D1946 – Fixed Gases

Sampling – Soil Gas samples were collected in Tedlar bags.

Analytical – Soil Gas samples were analyzed using ASTM D1946 by GC/TCD.

Approval:

Colby Wakeman Operations Manager

714-449-9937 11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 562-646-1611 805-399-0060 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Partner Engineering & Science Report date: 5/22/2017 **Client Address:**

2154 Torrance Blvd, Suite 200 JEL Ref. No.: ST-10630

Torrance, CA Client Ref. No.: 16-161616.2

Attn: Kathy Lehnus **Date Sampled:** 5/22/2017

> **Date Received:** 5/22/2017 **Date Analyzed:** 5/22/2017

Project Address: 8731 Eucalyptus Ave. **Physical State:** Soil Gas

Ontario, CA

052217_01

052217_01

ASTM D1946 - Methane

Sample ID:	B2-7	B3-7	B4-7	B4-15	B9-7		
JEL ID:	ST-10630-01	ST-10630-02	ST-10630-03	ST-10630-04	ST-10630-05	Practical Quantitation Limit	<u>Units</u>
Methane (CH ₄)	ND	ND	ND	ND	ND	100	ppmV
Dilution Factor	1	1	1	1	1		
	ASTM-	ASTM-	ASTM-	ASTM-	ASTM-		

052217_01

052217_01

052217_01

ND = Not Detected

714-449-9937 | 11007 FOREST PLACE 562-646-1611 | SANTA FE SPRINGS, CA 90670 805-399-0060 | WWW.JONESENV.COM

B5-7

052217_01

B8-7

052217_01

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Partner Engineering & Science Report date: 5/22/2017

Client Address: 2154 Torrance Blvd, Suite 200 JEL Ref. No.: ST-10630

Torrance, CA

Attn: Kathy Lehnus Date Sampled: 5/22/2017

Date Received: 5/22/2017 **Date Analyzed:** 5/22/2017

Client Ref. No.: 16-161616.2

Project Address: 8731 Eucalyptus Ave. Physical State: Soil Gas

B7-15

Ontario, CA

B6-7

B7-7

052217_01 052217_01 052217_01

ASTM D1946 - Methane

JEL ID:	ST-10630-06	ST-10630-07	ST-10630-08	ST-10630-09	ST-10630-10	<u>Practical</u> <u>Quantitation</u> <u>Limit</u>	<u>Units</u>	
Methane (CH ₄)	ND	ND	ND	4000	ND	100	ppmV	
Dilution Factor	1	1	1	1	1			
	ASTM-	ASTM-	ASTM-	ASTM-	ASTM-			

ND = Not Detected

Sample ID:

714-449-9937 11007 FOREST PLACE 562-646-1611 SANTA FE SPRINGS, CA 90670 805-399-0060 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Partner Engineering & Science Report date: 5/22/2017 **Client Address:**

2154 Torrance Blvd, Suite 200 JEL Ref. No.: ST-10630 **Client Ref. No.:** 16-161616.2

Torrance, CA

Attn: Kathy Lehnus **Date Sampled:** 5/22/2017

> **Date Received:** 5/22/2017 **Date Analyzed:** 5/22/2017

Project Address: 8731 Eucalyptus Ave. **Physical State:** Soil Gas

Ontario, CA

ASTM D1946 - Methane

Sample ID:	B14-7	B14-15	B13-7	B15-7	B10-7		
JEL ID:	ST-10630-11	ST-10630-12	ST-10630-13	ST-10630-14	ST-10630-15	Practical Quantitation Limit	<u>Units</u>
Methane (CH ₄)	15000	10000	ND	ND	45000	100	ppmV
Dilution Factor	1	1	1	1	1		
	ASTM-	ASTM-	ASTM-	ASTM-	ASTM-		
	052217_01	052217_01	052217_01	052217_01	052217_01		

ND = Not Detected

714-449-9937 11007 FOREST PLACE 562-646-1611 SANTA FE SPRINGS, CA 90670 805-399-0060 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Partner Engineering & Science **Client Address:**

2154 Torrance Blvd, Suite 200

Torrance, CA

Attn: Kathy Lehnus

Project Address: 8731 Eucalyptus Ave.

Ontario, CA

052217_01

052217_01

Report date: 5/22/2017 JEL Ref. No.: ST-10630 Client Ref. No.: 16-161616.2

Date Sampled: 5/22/2017

Date Received: 5/22/2017 **Date Analyzed:** 5/22/2017

Physical State: Soil Gas

ASTM D1946 - Methane

Sample ID: B12-7 B11-7 B1-7 **B5-7 DUP Practical** 052217-**JEL ID:** ST-10630-16 ST-10630-17 ST-10630-18 Quantitation TCDUP1 **Units** Limit Methane (CH₄) ND ND ND 100 ND ppmV 1 1 1 1 **Dilution Factor** ASTM-ASTM-ASTM-ASTM-

052217_01

052217_01

ND = Not Detected

714-449-9937 | 11007 FOREST PLACE 562-646-1611 | SANTA FE SPRINGS, CA 90670 805-399-0060 | WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Partner Engineering & Science Report date:
Client Address: 2154 Torrance Blvd, Suite 200 JEL Ref. No.:

2154 Torrance Blvd, Suite 200

JEL Ref. No.: ST-10630

Torrance, CA Client Ref. No.: 16-161616.2

Attn: Kathy Lehnus **Date Sampled:** 5/22/2017

Date Received: 5/22/2017 **Date Analyzed:** 5/22/2017

5/22/2017

Project Address: 8731 Eucalyptus Ave. Physical State: Soil Gas

Ontario, CA

ASTM D1946 - Methane

Sample ID: METHOD BLANK

DEI II (I

Methane (CH₄) ND 100 ppmV

Dilution Factor 1

ASTM-

 052217_01

ND = Not Detected

714-449-9937 562-646-1611 805-399-0060 11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 WWW.JONESENV.COM

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Partner Engineering & Science **Client: Client Address:**

2154 Torrance Blvd, Suite 200

Torrance, CA

Kathy Lehnus

Attn:

8731 Eucalyptus Ave. **Project Address:**

Ontario, CA

Report date: JEL Ref. No.: 5/22/2017 ST-10630

Client Ref. No.: 16-161616.2

Date Sampled: Date Received:

5/22/2017 5/22/2017

Date Analyzed: 5/22/2017

Physical State:

Soil Gas

ASTM D1946 - Methane

GC#: ASTM-052217_01

JEL ID: 052217-TCLCS1 052217-TCLCSD1

Acceptability

Parameter LCS Recovery (%) LCSD Recovery (%) **RPD** Range (%)

Methane (CH₄) 104% 104% 60 - 140

LCS = Lab Control Sample

LCSD = Lab Control Sample Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



11007 Forest Pl. Santa Fe Springs, CA 90670 (714) 449-9937 Fax (714) 449-9685 www.jonesenv.com

Chain-of-Custody Record

Project Name Project Address Project Address Project Address Project Address CA QUE Email Klehnus & partneresi.com Phone Report To Kathy Lehnus. Sampler D. Horrell				Project #	16.7 reservative	Matrix: Agueous (A), Free Product (FP) TM 1946 Me Here			Report Optio EDD EDF* - 10% Sure *Global ID Analysis Requested		Containers	Jones Project # ST-10G30 Page of Z Sample Condition as Recieved: Chilled upes upo no Sealed upper upon no
Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample A	AS			=	Number of	Notes & Special instructions
B28 182-7	05/22	1245	ST-10030 - 01			56	*			el	1	Tedlar
133-8 133-7	1	12419	ST-10630- 62			SG	+			er	ı	
B9-8' -B98470		1254	9-10630- 63			86	x			er	1	
139-15 B4-15 @		1259	ST-10636 - 04			5	×			12	1	Markin Pay
B10-8 B10-8		1303	57-106-50-05			SG	X			u	1	
B6-8. B6-8.		1318	ST-10630 - 0G			56	X			w	1	
B7-8 137-8		1322	51-10630- 07			K,	x			u	1	
817-15 137-15"		1324	ST-10630 08			E.	x			12	1	
88-5°B8-7"		1352	ST-10670 -09			SG	X			u	1	
85-7 B5-7	+	BOWN ASSESSED	ST-10630-10			56	Y			u	1	
Relinquished By (Signature) Havul		Printed	Name AVID HORRELL	Received By (S	fignature)	e tortigna una	o Ayranger 200 in	Printed Name			16	Total Number of Containers
Company Partner ESI Relinquished By (Signature) Company	65)	Date 5/2 Printed	2/17 1800 Name NS Jona Time	Received By La	DEC			Printed Name Jess, Date	ca Kyees	300	analy	lien't signature on this Chain of Custody form onstitutes acknowledgement that the above hyses have been reqested, and the information provided herein is correct and accurate.



11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685

Chain-of-Custody Record

Project Name Project Address Project Name Project Address Proj			ell	AS - Acets SS - Stain BS - Brass G - Grass AB - Ambur P - Plastic SOBI - So MeOH - M HOG - Hyd HNO3 - Ni	Container / Pr Abbreviation ate Sleeve eless Steel Sis s Sleeve er Bottle container Bisulfate tethanol rochloric Acid	eservative s	Adustics (A) From Product (FP)	Rush 24 Rush 48 Rush 72 Vormal	Hours		EDD			H,0	Containers	Jones Project # ST_10@30 Page Zof Z Sample Condition as Recieved: Chilled yes no Sealed yes no
Sample ID 14@	Date	Sample Collection Time	Laboratory Sample	ID P	Preservative	Sample Container	Sample Matrix: Soil (S), Studge (SL)	AST					40+	10 11	Number of	Notes & Special Instructions
817-8 BI7-7*	05/11	1613	ST-10630 -	4			Sy	x					4	2	1	* 2011 PG (D: B14-7.
B17-15' 1300 1	1	1615	57-106-20"	12			96	X						u	1	* Sample ID: BIN-15(a)
B16-8 316-7*		1620	57-10630 -	13			SG.	х						12	1	* sample ID: B13-7
1818-8: 1818 9 x		1625	ST-10630.	14			46	×						12	1	* sample ID: BIS-7'(a)
BH-8-13H-7"		1635	ST-10630-				56	x						u	1	→ sampe (D: Bio-7
B15-8: B15: 7 *		1652	57-106:30.1	16			35	1						12	(* Sample ID B12-7'
B13-8' B13-7*		1707	ST-106 304	17			34	<						u	1	* Sample ID! & BI1-7
BI-8 BI-7	1	1745	ST-106 30 -	18			Sty	x						2	ı	
Relinquished By (Signature)		Printed	Name	Re	ceived By (\$	(onature)				Printed Nar	me					
Company _ Thorul		Date	WID HORRE	u	11					Chas	Jone	-5			8	Total Number of Containers
Partner ESI Relinquished By (Signature) Company	0	Printed I	BJay	O Rec	ceived By La	9 of 9	_			Printed Name Date	117 100 Ky		600		analy	ient signature on this Chain of Custody form postitutes acknowledgement that the above yses have been reqested, and the information provided herein is correct and accurate.

APPENDIX C: CITY REGULATORY INFORMATION





City of Ontario

BUILDING DEPARTMENT

303 EAST "B' STREET, CIVIC CENTER, ONTARIO, CALIFORNIA91764-4196 TELEPHONE: (909) 395-2023 FAX: (909) 395-2180

METHANE ASSESSMENT FOR PROJECTS IN THE NEW MODEL COLONY

Applicants shall provide for the Building Department's review and approval, a methane assessment report addressing whether the property in questions was ever used as a dairy, poultry ranch, hog ranch, livestock feed operation site, manure stockpile site, manure/livestock burial site, run-off ponds, or for any other purpose that might result in the deposition of materials which might produce methane.

The report shall be prepared by a licensed engineer or licensed geologist and shall include the following:

- Historic aerial photos and historic topographic map review.
- Interviewing the owner/land managers for possible locations of potential methane generation areas.
- Site reconnaissance to determine the current site usage and conditions.
- Identifying potential methane areas.
- A proposed scope of work for post-grading methane investigation based on the historical study.

This report may be included as part of the soils and geology report and shall be submitted to the Building Department for review and approval at the time building permit applications are filed.

All lots in potential methane areas identified in the Methane Site Assessment report shall be tested for the presence of any methane and its concentration 30 days after building pads are graded and created.

A report, prepared by a licensed engineer or geologist and separate from the Methane Site Assessment report, summarizing the methane test conducted, the location/lot where methane is found and its concentration, and the recommended mitigation measures shall be submitted to the Building Department for review and approval. This test report could be a standalone report or be a part of the soils and geology report. This test report should be submitted together with building plans when permit applications are filed, or thereafter as soon as it is available. No building permit will be issued until the test report is approved by the Building Department, and the lots with methane and any required mitigation measures are shown on building plans.

METHANE DESIGN GUIDELINES

	WETHER & DESIGN GUIDEER (ES
Measured Methane Concentration (ppm)	Minimum Mitigation Guidelines
< 15,000	Provide a 10-mil moisture barrier. Seal utility conduits and other penetration in an approved method.
> 15,000	Provide a 10-mil moisture barrier. Seal utility conduits and other penetration in an approved method. Also include any remediation required by the Engineer of record.
Waste, Burial Site, Pond, Lowland	Require methane report prepared by a licensed engineer or geologist on required remediation.