1625 N French Dr. Hobbs NM 88240	of New Mexico ls and Natural Resources	Form C-14 Revised October 10, 200				
District III Oil Cons 1000 Rio Brazos Road, Aztec, NM 87410 1220 Sou District IV 1220 Sou	ervation Division uth St. Francis Dr. Fe, NM 87505	Submit 2 Copies District Office with Rul	to appropriate in accordance e 116 on back side of form			
	on and Corrective Act	ion				
	OPERATOR	🛄 Initi	al Report 🛛 🛛	Final Report		
Name of Company Enterprise Field Services LLC	Contact Alena Miro					
PO Box 4324, Houston, TX 77252 Facility Name Pipeline ROW, Mercury Fee Line	Telephone No. 575-628-6802 Facility Type: Gas Gathering	Pipeline				
Surface Owner Private-McDonald Mineral Owner		Lease N	Io. NA	·····		
		Lease 1		- [4]		
	ON OF RELEASE th/South Line Feet from the Ea	st/West Line	County	2083		
18 1 20 23S 28E			Eddy	na ogiato fine. vack		
Latitude <u>32.290685</u>	<u>N</u> Longitude <u>-104.117925 W</u>			i (1)7() i		
NATUR	E OF RELEASE					
Type of Release Natural Gas and Pipeline Liquids	Volume of Release 7,553 MC. 5 bbls	F Volume R	tecovered 0	, ieport		
Source of Release Pipeline Leak	Date and Hour of Occurrence 10/04/2013 17:00 (MDT)		Hour of Discovery 3 15:00 (MDT)	a a angala san gan		
Was Immediate Notice Given?	If YES, To Whom?	-				
By Whom? Jim Heap	Date and Hour 17:00 CDT					
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.					
If a Watercourse was Impacted, Describe Fully.*						
Describe Cause of Problem and Remedial Action Taken.* Suspected internal corrosion. The line was isolated, blown-down and	ul schadulad for rangir. I oss voluma	includes blow	down	1 + 13 		
Describe Area Affected and Cleanup Action Taken.*	u screaueu jor repuir. Loss voiume	includes olow-	-aown.			
Remediation was conducted as outlined in the attached closure repo	prt.					
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by t should their operations have failed to adequately investigate and remedie or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	notifications and perform corrective the NMOCD marked as "Final Repor ate contamination that pose a threat the	actions for rele t" does not relie ground water,	ases which may en eve the operator of surface water, hur	danger liability nan health		
Signature:	OIL CONSEI	RVATION	DIVISION	2 - 1975 - 1984 (1975)		
Printed Name: Jon E. Fields	Approved by District Supervisor:	Ashley	1 Maxwel	U 2007		
Title: Director, Field Environmental	Approval Date: 4/13/2023	Expiration D				
É-mail Address: jefields@eprod.com	Conditions of Approval:		Attached	a		
Date: 4/17/2017 Phone: 713-318-6595				· / • • • • • • • • •		
* Attach Additional Sheets If Necessary Released to Imaging: 4/13/2023 7:21:22 AM						
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Closure Report Enterprise Field Services, LLC: Mercury Fee Line #2 |2RP-2038|

April 12, 2017

Prepared For: Ms. Alena Miro Enterprise Field Services, LLC PO Box 4342 Houston, TX 77252

Prepared By: Talon/LPE 408 W. Texas Ave. Artesia, NM 88210

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1.0 Introduction

1.1 Objectives and Site Background

Enterprise Field Services, LLC (Enterprise) has contracted Talon/LPE (Talon) to perform initial spill response, soil sampling and remediation services at the previously referenced location. The regulatory framework, site description, incident description, soil sampling results, remediation activities, conclusions and recommendations are submitted herein.

The Mercury Fee Line #2 is located approximately thirteen (13) miles north of Carlsbad, New Mexico. The legal location for this release is Unit Letter M, Section 20, Township 23 South and Range 28 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.290685 and -104.117925 West. A site plan is presented in Appendix I.

2.0 Regulatory Framework

2.1 NMOCD Site Ranking Criteria

NMOCD guidance document titled: *Guidelines for Remediation of Leaks, Spills and Releases*, dated August 13, 1993. Consistent with these guidelines, general site characteristics, including the depth to groundwater, and the distance to water wells or surface water sources, will be utilized to determine the appropriate "ranking" of individual release sites, and the associated remedial action requirements. The site ranking criteria and associated scoring values, based on the 1993 guidance, are summarized in the following Table.

Ranking Criteria		Ranking Score
	<50'	20
Depth to Groundwater	50-99'	10
	>100'	0
Wellhead Protection Area <1,000' from a water source, or 200' from private domestic water source.	Yes No	20 0
	<200'	20
Distance to Surface	200' to 1,000'	10
Water Body	>1,000'	0

2.2 Remedial Action Levels for Soil

From the NMOCD guidance document *Guidelines for Remediation of Leaks, Spills and Releases*, dated August 13, 1993. The total ranking score determines the degree of remediation that may be required on a site specific basis. The total ranking score is the sum of all four individual ranking criteria. The Recommended Remedial Action Level's (RRAL's) based on total site ranking are summarized in the table below.

Constituent	Site Ranking >19	Site Ranking 10	Site Ranking 0
Benzene	10 mg/kg	10 mg/kg	10 mg/kg
Total BTEX	50 mg/kg	50 mg/kg	50 mg/kg
TPH	100 mg/kg	1,000 mg/kg	5,000 mg/kg

Though not mentioned in the NMOCD guidance document *Guidelines for Remediation of Leaks, Spills and Releases*, dated August 13, 1993. The recommended remedial action level for Total Chloride concentration in NMOCD District 2 is 1,000 mg/kg regardless of depth to groundwater.

3.0 Site Area Description

3.1 Soil Description

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Service (NRCS), the soil in this area is made up of the Gypsum Land-Cottonwood complex with 0 to 3 percent slopes. Drainage courses in this area are normally dry.

3.2 Ground Water Depth and Wellhead Distance

The New Mexico State Engineer database indicates that ground water in the project vicinity is at a depth of 50-feet below ground surface (BGS). The nearest water well to this site, well (C-01892-S) is located 2,247-feet from the site. See Appendix III for the referenced groundwater data and well data.

3.3 Surface Water Distance

The nearest surface water body is the Pecos River. The nearest bank of the river is approximately 4.3 miles east of the site. See Appendix II for area maps.

3.4 Site Ranking Conclusion

Based on the information provided in the above sections it is concluded that the ranking for this site is 10. Therefore NMOCD RRAL's for this incident should be consistent with the description in section 2.2.

4.0 Incident Information

4.1 Incident Description

On October 4, 2013 a release was discovered on the Mercury Fee Line. Approximately 5bbls of pipeline liquids were released. No fluid was recovered.

5.0 Remediation Activities

5.1 Excavation Activities

A trench was dug to expose the pipeline and facilitate replacement of the affected portion of pipe. The excavated soil was stockpiled on plastic liner. Following repair Talon mobilized personnel to conduct soil sampling within the trench. Upon receipt of analytical results (summarized in the next section) it was determined that the excavation would need to be expanded.

Talon mobilized equipment and personnel to expand the trench utilizing field chloride titrations and PID readings to guide the extent of the excavation.

5.2 Soil Sampling

Following excavation activities soil samples were collected from the bottom and sidewalls of the trench the analytical results from the soil sampling are summarized in the tables below. Laboratory Analytical Reports and Chain of Custody Documentation can be found in Appendix V.

Sample ID	Depth (feet)	Benzene (mg/kg)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg)
S-1	6.5	< 0.050	< 0.300	896	<10.0
S-2	6.5	<5.00	330	5280	14230
S-3	Sidewall	< 0.050	< 0.300	1090	10.6
S-4	Sidewall	< 0.50	< 0.300	1760	<10.0
S-5	Sidewall	< 0.050	< 0.300	1040	<10.0
S-6	Sidewall	<2.0	73.6	3600	8700

November 7, 2013

Sample ID	Depth (feet)	Benzene (mg/kg)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg)
BG-1	0	ini ini Ala ana		25600	
BG-1	6.5			1250	
S-2	8.5	< 0.050	< 0.300	1470	<10.0
S-4	Sidewall			640	
S-6	Sidewall	< 0.050	< 0.300	384	<10.0

February 10, 2014

5.3 Backfill and Site Grading Activities

Following receipt of analytical results from the initial soil sampling event on November 7, 2013 the excavation was expanded in the vicinity of sample locations S-2, S-4 and S-6 to the extent feasible due to infrastructure in the area. A background soil sample was also taken sample location BG-1 in order to confirm elevated background chloride concentrations. Following review of the site and analytical data Mike Bratcher-NMOCD approved backfill of the site. The site was backfilled with top soil and contoured to match the surrounding terrain. The agency backfill approval can be found in Appendix VI.

6.0 Conclusions and Recommendations

6.1 Conclusions

- The site was excavated utilizing field chloride titrations and PID readings to guide the extent of the excavation.
- The excavation was expanded to the maximum extent possible due to site conditions and infrastructure within the work area.
- Background soil samples were taken to confirm elevated background chloride concentrations.
- Taking into account site conditions and background chloride concentrations, permission was granted by NMOCD to backfill the excavation despite the chloride concentrations in the vicinity of sample location S-2 being above NMOCD RRAL's for total chlorides.

6.2 Recommendations

Based on the analytical results from the soil sampling events, the elevated background chloride levels, site conditions and NMOCD concurrence that the site was adequately remediated, we recommend that no further activities be required and that closure with regard to this release be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,

TALON/LPE

tim erren

Sheldon Hitchcock Project Manager

David J. Adkins District Manager

Attachments

Appendix I	Site Plan
Appendix II	Area Maps
Appendix III	Groundwater and Well Data
Appendix IV	Initial C-141
Appendix V	Laboratory Results
Appendix VI	Agency Backfill Approval

APPENDIX I SITE PLAN

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APPENDIX II AREA MAPS

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APPENDIX III GROUNDWATER AND WELL DATA

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	Nei Water					he State je De p				ler
(A CLW####### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	•				3=SW 4=SE rgest) (N	:) AD83 UTM in me	eters)	(In feet)	
POD Number	POD Sub- Code basin Co	Q Q Q 2001y 64-16 4		8aa	x	v	Distance			Water Column
C 00851			17 235	Consideration and Pro-	583438	3574217* 🚱	1029	200	50	150
						Avera	ge Depth to Minimum Maximum	Depth:	50	feet feet feet
Record Count: 1	and tool 2008 2018 2018 2014 2014 2014 and one doug good .	ana ana kao kao dar kat kat ka	ng pada bija pana ping go	, 10% 40% 40%		year, the the total time that your, but	8.4 Jan 444 8002 Ban 403			
Basin/County Sea	rch:									
-	s Search (in meters					-				
Easting (X): 58	3241	Northing	g (Y): 357	3207		Radius	: 1100			

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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OSE Wells April 6, 2017 0 Other **OSE District Boundary**



Page 16 of 37

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APPENDIX IV INITIAL C-141

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1301 W. Grand Avenue, Artesia, NM 88210						Is and Natural Resources Revised Octob					ober 10, 2003	
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Surface Ow		Private-McD		Mineral C	· · · · ·	NA			Lease N	lo. NA		
L	<u></u>					N OF REI	EASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	West Line	County		
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			J	Latitude <u>32.29(</u>	<u>)685 N</u>	Longitud	le <u>-104.117925</u>	W				
				NAT	TURE	OF REL	EASE					
Type of Rele Source of Re		tural Gas and aline Leak	l Pipeline	Liquids		Volume of	Release 7,553 lour of Occurrence			Recovered (Hour of Dis		
	-					10/04/2013	8 17:00 (MDT)			13 15:00 (N		
Was Immedia	ate Notice (-	Yes 🗌] No 🔲 Not R	equired	If YES, To NMOCD I	Whom? Region 2, Mike B	ratcher				
By Whom?	Jim Heaj				-	Date and H	lour 17:00 Cl	DT				
Was a Water	course Read		Yes 🗵	No		If YES, Volume Impacting the Watercourse.						
If a Watercou	urse was Im	pacted, Descr	ibe Fully.	*						ECE	IVE	
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should their of	operations h	nave failed to	adequately	ce of a C-141 rep / investigate and i	remediate	e contaminati	on that pose a the	reat to gi	round water	. surface w	ater, hun	nan health
		addition, NM(ws-and/or-regi		ptance of a C-141	report de	oes not reliev	e the operator of	responsi	ibility for c	ompliance	with any	other 🚬
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Page 18 of 37

APPENDIX V LABORATORY RESULTS



November 18, 2013

DAVID ADKINS TALON LPE 408 W. TEXAS AVE. ARTESIA, NM 88210

RE: MERCURY

Enclosed are the results of analyses for samples received by the laboratory on 11/11/13 13:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Received by OCD: 4/12/2023 8:28:05 AM

Celey D.Kune

Celey D. Keene Lab Director/Quality Manager

÷.,

CARDINAL Laboratories

Analytical Results For:

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	11/11/2013	Sampling Date:	11/07/2013
Reported:	11/18/2013	Sampling Type:	Sail
Project Name:	MERCURY	Sampling Condition:	Cool & Intact
Project Number:	700348.132.02	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: S-1 6.5' (H302743-01)

BTEX 8021B	mĝ,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Va'ue QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2013	ND	1.75	87.5	2.00	13.2	
Toluene*	<0.050	0.050	11/14/2013	ND	1.75	87.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/14/2013	ND ·	1.74	87.1	2.00	13.2	
Total Xylenes*	<0.150	0.150	11/14/2013	ND	5.12	85.3	6.00	12.7	
Total BTEX	<0.300	0.300	11/14/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 106 % 89.4-126

Chloride, SM4500CI-B	mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	11/14/2013	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	ßS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/13/2013	ND	197	98.6	200	7.27	
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	188	94.0	200	9.72	
Surrogate: 1-Chlorovciane	98.2	% 65.2-14()						
Surrogate: 1-Chlorooctadecane	111 9	63.6-154	1						

Cardinal Laboratories

Received by OCD: 4/12/2023 8:28:05 AM

*=Accredited Analyte

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Celey D.Keen

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	11/11/2013	· Sampling Date	: 11/07/2013
Reported:	11/18/2013	Sampling Type	: Soil
Project Name:	MERCURY	Sampling Cond	lition: Cool & Intact
Project Number:	700348.132.02	Sample Receive	ed By: Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: S-2 6.5' (H302743-02)

BTEX 80218	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	11/14/2013	ND	1.75	87.5	2.00	13.2	
Toluene*	45.8	5.00	11/14/2013	ND	1.75	87.4	2.00	13.0	
Ethylbenzene*	20.6	5.00	11/14/2013	ND	1.74	87.1	2.00	13.2	
Total Xylenes*	264	15.0	11/14/2013	ND	5.12	85.3	6.00	12.7	
Total BTEX	330	30.0	11/14/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE 125 % 89.4-126

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	11/14/2013	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	6930	10.0	11/13/2013	ND	197	98.6	200	7.27	
DR0 >C10-C28	7300	10.0	11/13/2013	ND	188	94.0	200	9.72	
Surrogate: 1-Chlorooctane	249	% 65.2-14	0						
Surrogute: 1-Chlorooctadecane	169	63.6.15	4						

Cardinal Laboratories

*=Accredited Analyte

MEASE NOTE: Liabley and Damages. Cardna's haldery and clear's androws remety for any class arises, whether based in context or tar, shall be lended to the arrant paid by class for anyloss. All dura, including block for negligence and By Baker case wholeshow shall be detered values made in writing and recorded by Cardnal within thiny (2) days after completion of the applicable service. In no ever, shall be light to light for light and complete and durages, including, whole lentrons, based one, or biss of product inclusion by class, at its recorders, attitude to accessing one of or relations of the service. The service of the service. Results relate the targets between the regression of the service of the service.

Celez D. Kuna

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

Analytical Results For:

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received: Reported:	11/11/2013 11/18/2013	Sampling Date: Sampling Type:	11/07/2013 Soll
Project Name:	MERCURY	Sampling Condition:	Cool & Intact
Project Number:	700348.132.02	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: S-3 6.5' (H302743-03)

BTEX 8021B	mg/kg		Analyzed By: MS		10.202 Sector Contraction Contraction				Warner and the second second second
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2013	ND	1.75	87.5	2.00	13.2	
Toluene*	<0.050	0.050	11/14/2013	ND	1.75	87.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/14/2013	ND	1.74	87.1	2.00	13.2	
Total Xylenes*	<0.150	0.150	11/14/2013	ND	5.12	85.3	6.00	12.7	
Total BTEX	<0.300	0.300	11/14/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 108 % 89.4-126

Chlorido, SM4500CI-B	mg/kg		Analyzed By: AP		Manual (1997)				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	11/14/2013	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					•
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.6	10.0	11/13/2013	ND	197	98.6	200	7.27	
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	188	94.0	200	9.72	
Surrogate: 1-Chlorooctane	108	65,2-14	0			· · · · · · · · · · · · · · · · · · ·			
Surrogate: 1-Chlorooctadecane	124	63.6-15	4						

Cardinal Laboratories

HENCE NOTE: Likeling and Dectages. Candod's Halling and clearly exclusive receiver for any clear lensing, whether based in contract or tort, shall be larged to the annual part by clear tor analyses. All clears, including those for negigence and any other cours whatever shall be determined which which made by Candod by Candod and With (20) days after completion all the applicable source. In no ever shall be folded to higher for indicated or consequently descripted including, which indicates, based and use, a bost of prote fround by Candod shows, allocated or the performance of the services have node by Candod, regardless of whether both than a based spatial state of proteins and source in an analysis of the service of the services.

Celeg D.Keen

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received: Reported: Project Name: Project Number: Project Locatlon:	11/11/2013 11/18/2013 MERCURY 700348.132.02 NONE GIVEN	Sampling Date: Sampling Type: Sampling Condition: Sample Received By:	11/07/2013 Soil Cool & Intact Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: S-4 6.5' (H302743-04)

Surrogate: 4-Bromofluorobenzene (PIL

105 %

89.4-126

mg/kg		Analyzed By: MS						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qual.fier
<0.050	0.050	11/14/2013	ND	1.75	87,5	2.00	13.2	
<0.050	0.050	11/14/2013	ND	1.75	87.4	2.00	13.0	
<0.050	0.050	11/14/2013	ND	1.74	87.1	2.00	13.2	
<0.150	0.150	11/14/2013	ND	5.12	85.3	6.00	12.7	
<0.300	0.300	11/14/2013	ND					•
	Result <0.050 <0.050 <0.050 <0.150	<0.050 0.050 <0.050 0.050 <0.050 0.050 <0.150 0.150	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank DS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050	Result Reporting Limit Analyzed Method Blank DS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

			0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	11/14/2013	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS			•		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/13/2013	ND	197	98.6	200	7.27	
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	188	94.0	200	9.72	
Surrogate: 1-Chlorooctane	103	96 65.2-140	0				<u></u>	•	
Surrogate: 1-Chlorooctadecane	117	% 63,6-154	1						

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REASE NUTE: Lightly and Danuças. Cantala jablay and clerk) exclusive remary for any data mistry, and the based in concret or text, shall be finand to the second paid by clerk for analysis. All clarms, inducing these for neglogence and any other cause whethere shall be deered whind unless made in where and remarks by Cartral with they (20) days also completen of the second paid by clerk for analysis. All clarms, inducing these for neglogence and including, whose firstness, bulkets interprets, less of profits framed by Cartral with they (20) days also completen of the second paid by clerk for analysis, cluding, whose firstness, bulkets interprets, less of profits framed by Cartral with the back of paid and the second allows and or related to the potentiate of the servets hermited by Cardral to the second paid by the second and the second paid by the second allows and the second paid by the second allowed and the second paid by the s

Celecy D. Keens

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	11/11/2013	Sampling Date:	11/07/2013
Reported:	11/18/2013	Sampling Type:	Soil
Project Name:	MERCURY	Sampling Condition:	Cool & Intact
Project Number:	700348.132.02	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

89.4-126

Sample ID: S-5 6.5' (H302743-05)

BTEX 8021B	mg/kg		Analyzed By: MS		-	and the second state of th			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	DS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2013	ND	1.75	87.5	2.00	13.2	
Toluene*	<0.050	0.050	11/14/2013	ND	1.75	87.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/14/2013	ND	1.74	87.1	2.00	13.2	
Total Xylenes*	<0.150	0.150	11/14/2013	ND	5.12	85.3	6.00	12.7	
Total BTEX	<0.300	0.300	11/14/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE 106 %

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040 16.0		11/14/2013	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/13/2013	ND	197	98.6	200	7.27	
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	188	94.0	200	9,72	
Surrogate: 1-Chlorooctane	105	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	119	% 63,6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Reported: 11/18/2013 Samp Project Name: MERCURY Samp Deliver Manual MERCURY Samp	Ing Date:11/07/2013Ing Type:SoilIng Condition:Cool & IntactIle Received By:Jodi Henson
Project Location: NONE GIVEN	

Sample ID: S-6 6.5' (H302743-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	11/14/2013	ND	1.75	87.5	2.00	13.2	
Toluene*	4.67	2.00	11/14/2013	ND	1.75	87.4	2.00	13.0	
Ethylbenzene*	6.26	2.00	11/14/2013	ND	1.74	87.1	2.00	13.2	
Total Xylenes*	62,7	6.00	11/14/2013	ND	5.12	85.3	6.00	12.7	
Total BTEX	73.6	12.0	11/14/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 139 % 89.4-126

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	- /
Chloride	3600	16.0	11/14/2013	ND	432	108	400	3.77		
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2580	10.0	11/13/2013	ND	197	98.6	200	7.27		
DR0 >C10-C28	6120	10.0	11/13/2013	ND	188	94.0	200	9.72		
Surrogate: 1-Chloroactane	316	% 65.2-14	0			<u> </u>				-
Swrogate: 1-Chlorooctadecane	180	% 63.6-15	4							

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Celey D. Keen

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
ê r	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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February 12, 2014

SHELDON HITCHCOCK TALON LPE 408 W. TEXAS AVE. ARTESIA, NM 88210

RE: MERCURY

Enclosed are the results of analyses for samples received by the laboratory on 02/11/14 12:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905 Fax To:

02/11/2014	Sampling Date:	02/10/2014
02/12/2014	Sampling Type:	Soll
MERCURY	Sampling Condition:	Cool & Intact
700348.137.02	Sample Received By:	Jodi Henson
NONE GIVEN		
	02/12/2014 MERCURY 700348.137.02	02/12/2014Sampling Type:MERCURYSampling Condition:700348.137.02Sample Received By:

Sample ID: BG-1 0' (H400414-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP	ommeneopenin				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	25600	16.0	02/12/2014	ND	416	104	400	3.92	

Sample ID: BG-1 6.5' (H400414-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	02/12/2014	ND	416	104	400	3,92	

Sample ID: S-2 8.5' (H400414-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2014	ND	2.34	117	2.00	4.12	
Toluene*	<0.050	0.050	02/11/2014	ND	2.32	116	2.00	3.68	
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2.30	115	2.00	4.18	
Total Xylenes*	<0.150	0.150	02/11/2014	ND	6.76	113	6.00	3.04	
Total BTEX	<0.300	0.300	02/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 %	6 89.4-12	6						
Chioride, SM4500Ci-B	mg/	kg	Analyze	d By: AP					

Method Blank

BS

% Recovery

True Value QC

Analyzed

Chioride	1470	16.0	02/12/2014	ND	416	104	400	3,92	
TPH 8015M	mg/k	g	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Cardinal Laboratories								*=Accred	ted Analyte
PLEASE NOTE: Uability and Damages. Ca any other cause whatsoever shall be deen including, without limitation, business interrup claim is based upon any of the above stated reason	tions, loss of use, or loss of	riting and received by C profits incurred by clien	ardinal with/n th/rty (30) it, its subsidiaries, affikate	days after completion of s or successors arising o	f the applicable out of or relat	e service. In no even ted to the performance	t shall Cardinal be liable	for incidental or	consequential damages,
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Celev D. Keene, Lab Dire									

Analyte

Result

Reporting Limit

Qualifier

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RPD



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	02/11/2014	Sampling Date:	02/10/2014
Reported:	02/12/2014	Sampling Type:	Soil
Project Name:	MERCURY	Sampling Condition:	Cool & Intact
Project Number:	700348.137.02	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: S-2 8.5' (H400414-03)

TPH 8015M	mg,	/kg	Analyze	d By: ms	na catalana catalanan				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/11/2014	ND	194	96.9	200	0.635	
DRO >C10-C28	<10.0	10.0	02/11/2014	ND	188	94.2	200	1.47	
Surrogate: 1-Chlorooctane	77.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	80.2	% 63.6-15	4						

Sample ID: S-4 7' (H400414-04)

Chioride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	02/12/2014	ND	416	104	400	3,92	

Cardinal Laboratories

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	02/11/2014	Sampling Date:	02/11/2014
Reported:	02/12/2014	Sampling Type:	Soll
Project Name:	MERCURY	Sampling Condition:	Cool & Intact
Project Number:	700348.137.02	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		,

Sample ID: S-6 7' (H400414-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/11/2014	ND	2,34	117	2.00	4,12	
Toluene*	<0.050	0.050	02/11/2014	ND	2.32	116	2.00	3.68	
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2.30	115	2,00	4.18	
Total Xylenes*	<0.150	0.150	02/11/2014	ND	6.76	113	6.00	3.04	
Total BTEX	<0.300	0.300	02/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 9	% 89.4-12	6				<u>ie (, , , , , , , , , , , , , , , , , , ,</u>		
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	384	16.0	02/12/2014	ND	416	104	400	3.92	
TPH 8015M	mg/kg		Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	02/11/2014	ND	194	96.9	200	0.635	
DRO >C10-C28	<10.0	10.0	02/11/2014	ND	188	94.2	200	1.47	
Surrogate: 1-Chlorooctane	98.8	% 65.2-14	0						

Surrogate: 1-Chlorooctane98.8 %65.2-140Surrogate: 1-Chlorooctadecane101 %63.6-154

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Celey D.Keene

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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Celey D.Kune

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 6

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In Condition Concord BY:	Date: Received By: MUNDYC REMARKS: Date: Received By: Received By: Received By: Remarks:	raits exclusive renney for any claim arising whether based in contractir or out, shall be initiated to the summit paid by the relation for cursos whatsoever shall be deemed valvied unless made in witting and received by Caufinal within 30 days alter completion of the quentationnages: Indufing without initiation, beames intermythion, less of use, or less of probe incurred by denk its subsidia of services hereinder by Caudinal, regiantless of whether such claim is based upon any of the above-stated reserves or otherwise					-	<u> </u>			G)RABOR (C)O CONTAINERS PROUNDWATER NASTEWATER SOIL DIL SLUDGE DTHER : ACID/BASE: CE / COOL DTHER :	S R	Che and the state of the state	Phone #	- EnterPrise	State: NM Zip: 882/10 Attn: Fax # 575-746-8905 Address:		S. Hitchoot. P.O. #		101 East Marland, Hobbs, NM 88240 (575) 393-2326. FAX (575) 393-2476		atories.
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	☐ Yes ☐ No. Add'l Phone #: ☐ Yes ☐ No. Add'l Fax #: 7 }∧	335 6 · · · ·								/	BTEX Chlori	ide	5						ANALYSIS R		1	
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APPENDIX IV AGENCY BACKFILL APPROVAL

Sheldon Hitchcock

From:Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>Sent:Wednesday, February 12, 2014 1:46 PMTo:Sheldon HitchcockSubject:RE: Enterprise- Mercury Fee Release Backfill

Sheldon,

oage 36 of 37

Taking into account the area and site conditions, OCD agrees to commence backfill operations.

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108 C: 575-626-0857 F: 575-748-9720

From: Sheldon Hitchcock [mailto:slhitchcock@talonlpe.com]
Sent: Wednesday, February 12, 2014 12:14 PM
To: Bratcher, Mike, EMNRD
Subject: Enterprise- Mercury Fee Release Backfill

Mike,

Please review the attached site map and lab data for the Mercury. There is still elevated chloride levels at S-2. However given the background samples and the limited room that is left to safely excavate I would like to have permission to backfill. Please let me know if you have any questions or concerns.

1

Respectfully,

Sheldon L. Hitchcock Environmental Scientist Talon/LPE 408 West Texas Avenue Artesia, New Mexico 88210 Phone: (575) 746-8768 Cell: (575) 689-5198 Fax: (575) 746-8905 Email: shitchcock@talonlpe.com Web: www.talonlpe.com



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Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
ENTERPRISE PRODUCTS OPERATING, LLC	374092
P.O. BOX 4324	Action Number:
HOUSTON, TX 77210	206654
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created B		Condition Date
amaxwe	II None	4/13/2023

CONDITIONS

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Action 206654