

January 4, 2016

Ms. Heather Patterson NMOCD District 2

AMARILLO 921 North Bivins Amarillo. Texas 79107 Phone 806.467.0607 Fax 806.467.0622 811 S. 1st Street Artesia, NM 88210

Subject:

Soil Assessment and Remediation Work Plan (Revised)

Bridger Logistics, LLC

Centurion-Pecos River Station: Oxy Unload

2RP-3323

ARTESIA 408 West Texas Ave. Artesia, New Mexico 88210 Phone 575.746.8768 Fax 575.746.8905

Dear Ms. Patterson

HOBBS 318 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.4261 Fax 575.393.4658 Centurion Pipeline, LP has contracted Talon/LPE (Talon) to perform remediation services at the Centurion Pecos River Station Oxy Unload Tank Battery. The results of our soil assessment and proposed remediation activities consist of the following.

Background Information

MIDLAND 2901 State Hwy 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180 The Pecos River Station Oxy Unload is located approximately fifteen (15) miles south of Carlsbad, New Mexico. The legal location for this site is Unit Letter L, Section 12, Township 28 South and Range 23 East. More specifically the latitude and longitude for this site are 32.31587 North and -104.04916 West. A site plan is presented in Appendix I.

OKLAHOMA CITY 7700 North Hudson Avenue Suite IO Oklahoma City, Oklahoma 73II6 Phone 405.486.7030 Fax 806.467.0622 According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of the Pajarito Dune land complex with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of older alluvial deposits of upland plains and piedmont areas. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 38-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. Appendix II.

SAN ANTONIO II Commercial Place Schertz, Texas 78154 Phone 210.265.8025 Fax 210.568.2191

The ranking for this site is 20 based on the following:

Depth to ground water <50'
Wellhead Protection Area >1000'
Distance to surface water body >1000'

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742 www.talonlpe.com

Incident Description

Human error caused a tank battery to overflow while a truck was unloading into the tanks. This resulted in a release of approximately 65bbls of crude oil. All of the fluid was contained within a lined and bermed facility. Vacuum trucks were immediately dispatched to the location to recover the released fluid. They were able to recover approximately 63.5bbls of crude oil from the containment.

Remedial Activities

Talon mobilized personnel to conduct a site assessment and to provide emergency remediation of the impacted area. The release was contained within a lined battery. Upon correspondence with NMOCD it was decided that no soil sampling would not be possible without breaching the liner and that the best course of action would be to remove the impacted gravel from the surface of the liner and replace it with clean gravel. Hand excavation activities then commenced within the battery. Once the impacted gravel was removed it was discovered that two holes had previously be cut into the liner, presumably to access the hatches on tanks1 & 2. Centurion was notified and Talon collected grab soil samples from underneath tanks 1 & 2.

Upon receipt of analytical results from this soil sampling event it was apparent that the soil underneath the tanks was above NMOCD Recommended Remedial Action Levels (RRAL's) for BTEX and TPH. This information was forwarded to NMOCD for review. It was determined that vertical delineation of the impacted soil underneath the battery liner would be required in order to develop a remediation strategy. Due to the existing infrastructure within the tank battery NMOCD agreed that utilizing a backhoe to dig one sample pit between tanks 1 & 2 would be the best option for accessing the vertical impacts at this site. The analytical results from the initial soil sampling event and the vertical delineation are summarized in the table below.

Laboratory Results

See Appendix V for complete report of laboratory results.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
TANK 1	N/A	81.4	80	1930	6050
TANK 2	N/A	143	48	3140	6250
S-1	0	6.2		139	1360
S-1	1	ND		ND	37.5
S-1	2	ND		ND	ND
S-1	3	ND		ND	ND

(--) Analyte Not Tested

(ND) Analyte Not Detected

Based upon the site ranking of **20**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 100 mg/kg for TPH.

Proposed Remedial Actions

- The three 500bbl tanks and the associated piping will be removed from the battery.
- The damaged liner will be removed and hauled off for disposal.
- The impacted soil within the battery will be excavated utilizing field PID readings to guide the excavation.
- Once field data indicates that all of the impacted soil has been successfully removed confirmation soil samples will be obtained for laboratory analysis of TPH and BTEX concentrations.
- Upon receipt of analytical results below NMOCD RRAL's, and NMOCD approval the site will be backfilled with caliche and prepared for liner installation.
- A 40-mil liner will be installed to contain future releases.
- Upon completion of the liner installation the battery will be backfilled with gravel and the tanks will be reset and put back into service.

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,

Sheldon Hitchcock

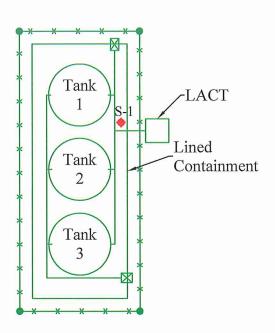
Project Manager

David J. Adkins

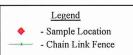
District Manager

SITE PLAN

NM-31









Date: 11/10/2015

Scale: 1" = 30'

Drawn By: TJS

Pecos River Oxy Unload Station
Bridger Group, LLC
Eddy County, New Mexico
Figure 1 - Site Plan

GROUNDWATER DATA



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

	POD Sub-			QC									Water
POD Number	Code basin							X	Υ	Distance			Column
C 03469 POD1	С	ED	3	4 3	11	23S	28E	588374	3575538	401	68	38	30
C 00315	С	ED	3	1 3	11	23S	28E	587973	3575995* 🌑	405	100	45	55
C 03469 POD3	С	ED	3	4 3	11	23S	28E	588381	3575538 🌑	408	47		
C 03469 POD2	С	ED	3	4 3	11	23S	28E	588382	3575506 🌑	414	48		
C 00235	С	ED		2 2	15	23S	28E	587676	3575280* 🌑	431	160		
C 00616		ED	1	3 1	14	23S	28E	587982	3574978* 🌑	612	120	30	90
C 00321	С	ED		4 2	15	23S	28E	587679	3574874* 🎒	775	120		
C 02503	С	ED		4 2	15	23S	28E	587679	3574874* 🌑	775	70	12	58
C 00608	С	ED	3	3 1	11	23S	28E	587970	3576401*	811	200		
C 00269	С	ED	4	4 2	15	23S	28E	587778	3574773* 🌑	840	240	35	205
C 00269 CLW199753	0	ED	4	4 2	15	23S	28E	587778	3574773*	840	240	35	205

Average Depth to Water:

32 feet

Minimum Depth:

12 feet

Maximum Depth:

45 feet

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 587976

Northing (Y): 3575590

Radius: 1000

^{*}UTM location was derived from PLSS - see Help

INITIAL C-141

District I 1625 N. French Dr., Hobbs, NM 88240 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aziec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

FAB 1528 630830 **Release Notification and Corrective Action** nAB1528633127 **OPERATOR** Initial Report Final Report Name of Company: Bridger, LLC Contact: Angel Lance Telephone No. 469-744-6182 Address: 2009 Chenault Drive, ST, 100 Facility Name: Pecos River Station Oxy Unload Facility Type: Tank Battery Surface Owner: Private Mineral Owner: API No. **LOCATION OF RELEASE** Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County 28 Eddy Latitude_32.31587 Longitude -104.04916 NATURE OF RELEASE. Type of Release: Crude Volume of Release: 65bbls Volume Recovered: 63.5 Source of Release: Tank overflow Date and Hour of Occurrence: Date and Hour of Discovery: 10/9/15 @ 8:30am 10/9/15 @ 8:30am Was Immediate Notice Given? If YES, To Whom? ☑ Yes ☐ No ☐ Not Required Heather Patterson & Mike Bratcher NMOCD District II By Whom? Date and Hour: Sheldon Hitchcock-Talon/LPE 10/9/15 12:37p If YES, Volume Impacting the Watercourse. NM OIL CONSERVATION Was a Watercourse Reached? ARTESIA DISTRICT ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.* UCT 0 9 2015 RECEIVED Describe Cause of Problem and Remedial Action Taken.* Human error caused a tank battery to overflow while a truck was unloading into the tanks. Vacuum trucks were immediately dispatched to the location to recover the released fluid. All of the fluid was contained within a lined and bermed facility. Describe Area Affected and Cleanup Action Taken.* The affected area was inside of a lined and bermed tank battery. Vacuum trucks were utilized to recover 63.5bbls of crude from the battery. Soil sampling will not be possible within the facility due to the liner. The gravel in the battery will be removed, hauled to an NMOCD approved solid waste disposal facility and replaced. Once the remediation activities are complete, a final C-141 will be submitted to NMOCD for review. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Approved by Environmental Specialist:

Date: 1019 Attach Additional Sheets If Necessary SLIBMIT REMEDIATION PROPOSAL NO LATER THAN:

Remediation per O.C.D. Rules & Guidelines 🗖

Approval Date:

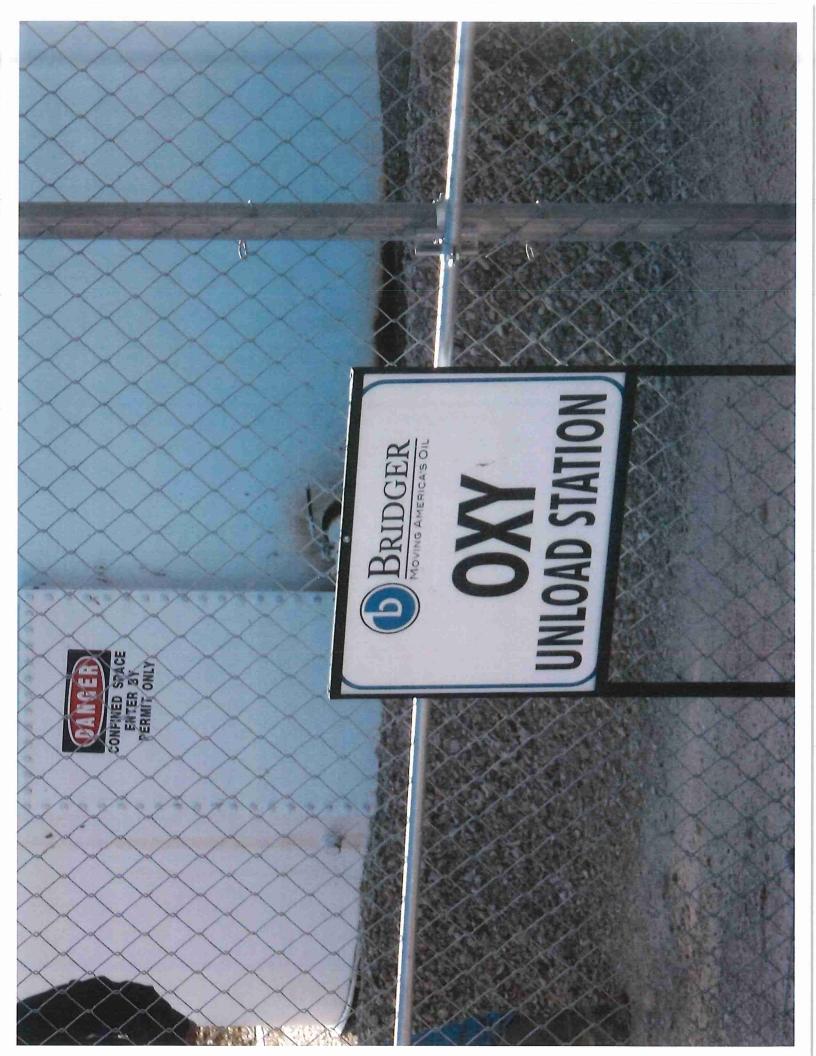
Phone: 469-744-6182

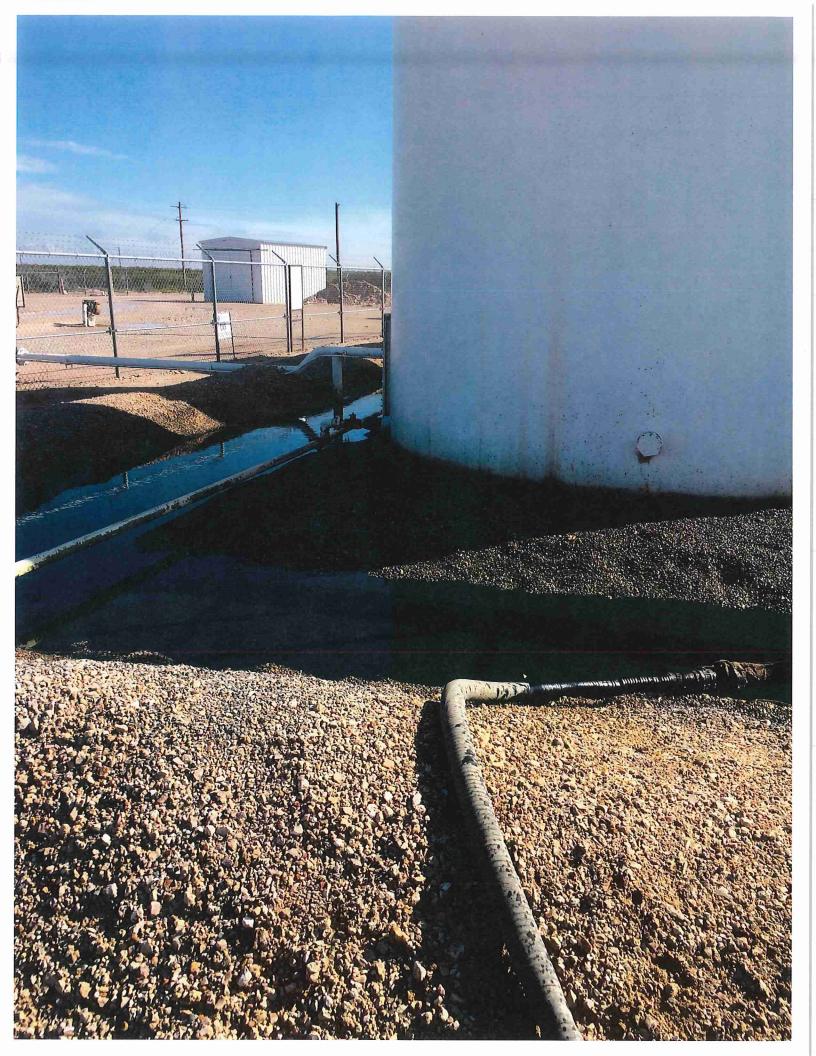
Conditions of Approval:

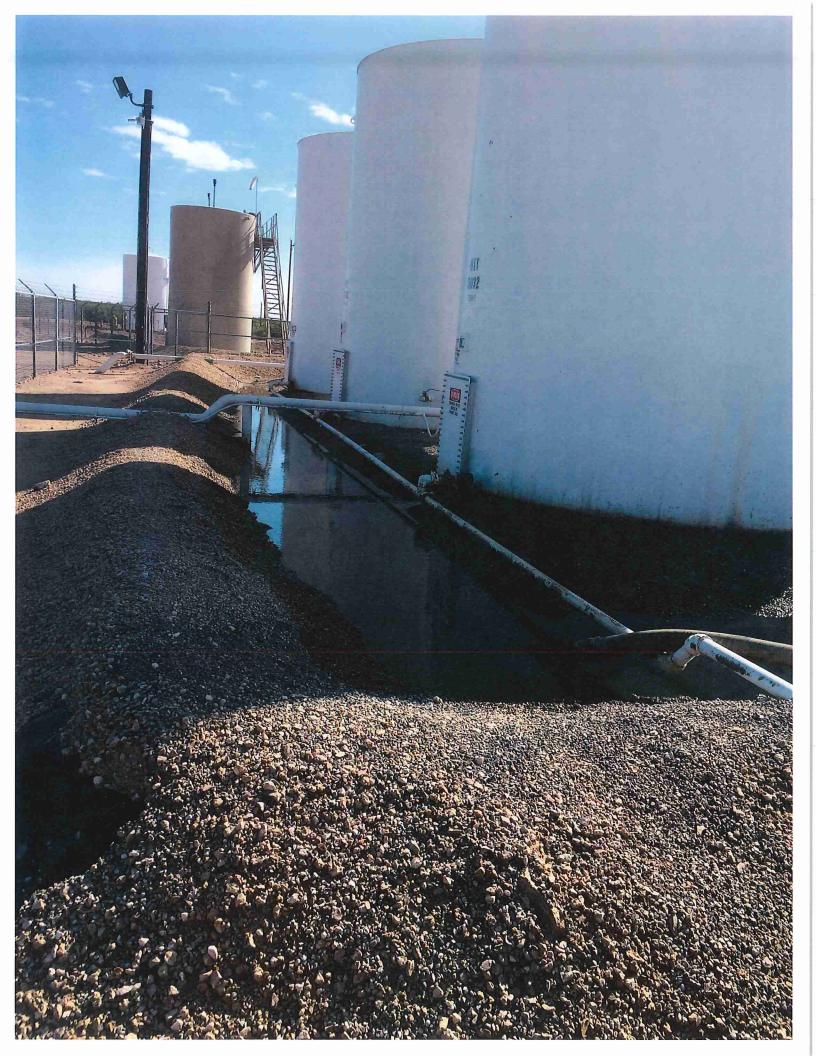
2RP-3323

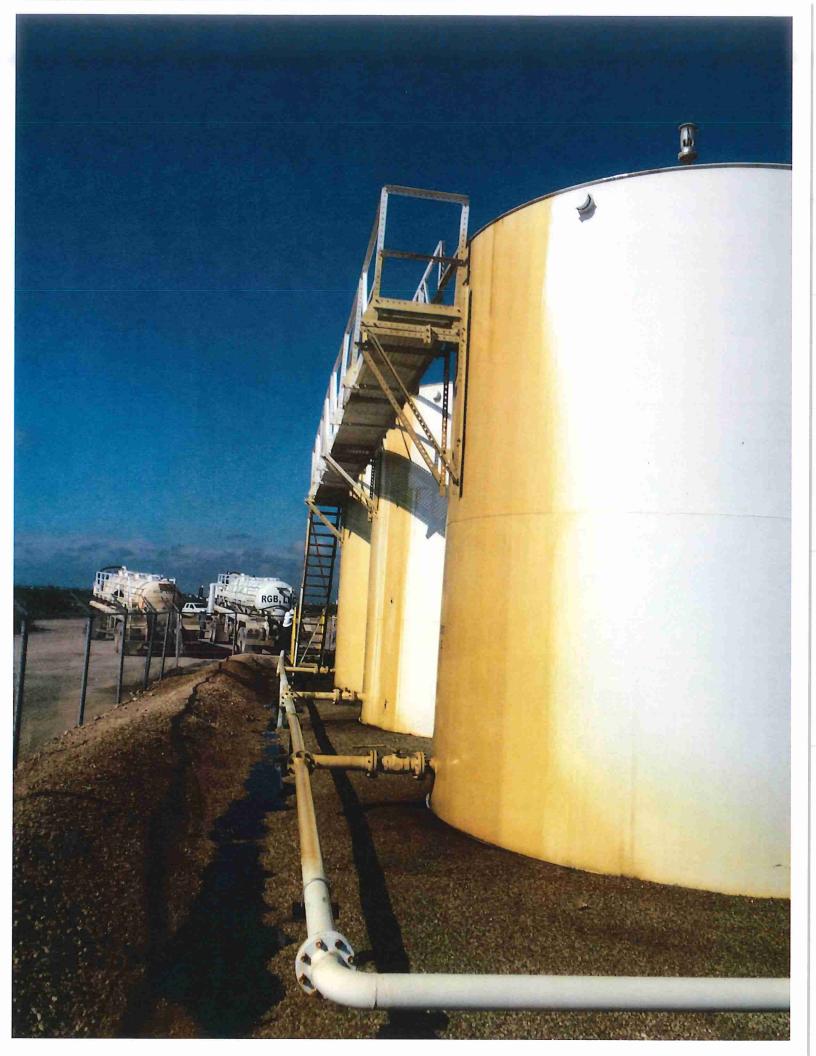
Expiration Date:

PHOTOGRAPHIC DOCUMENTATION

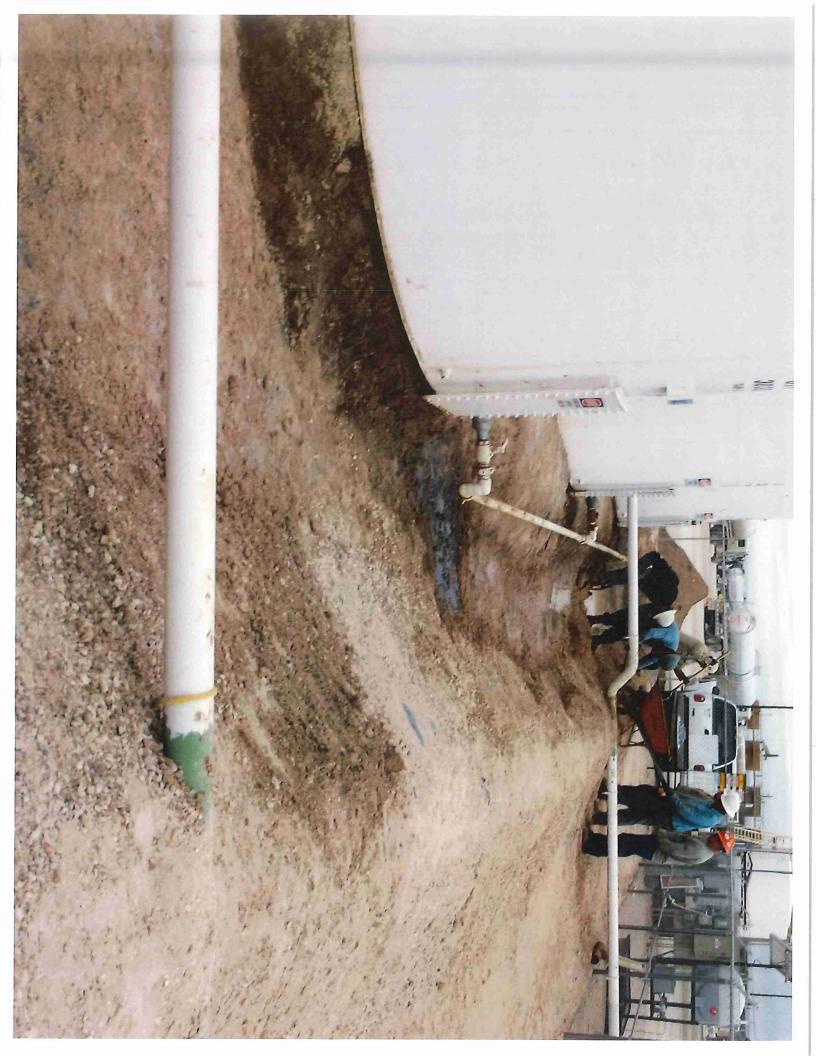




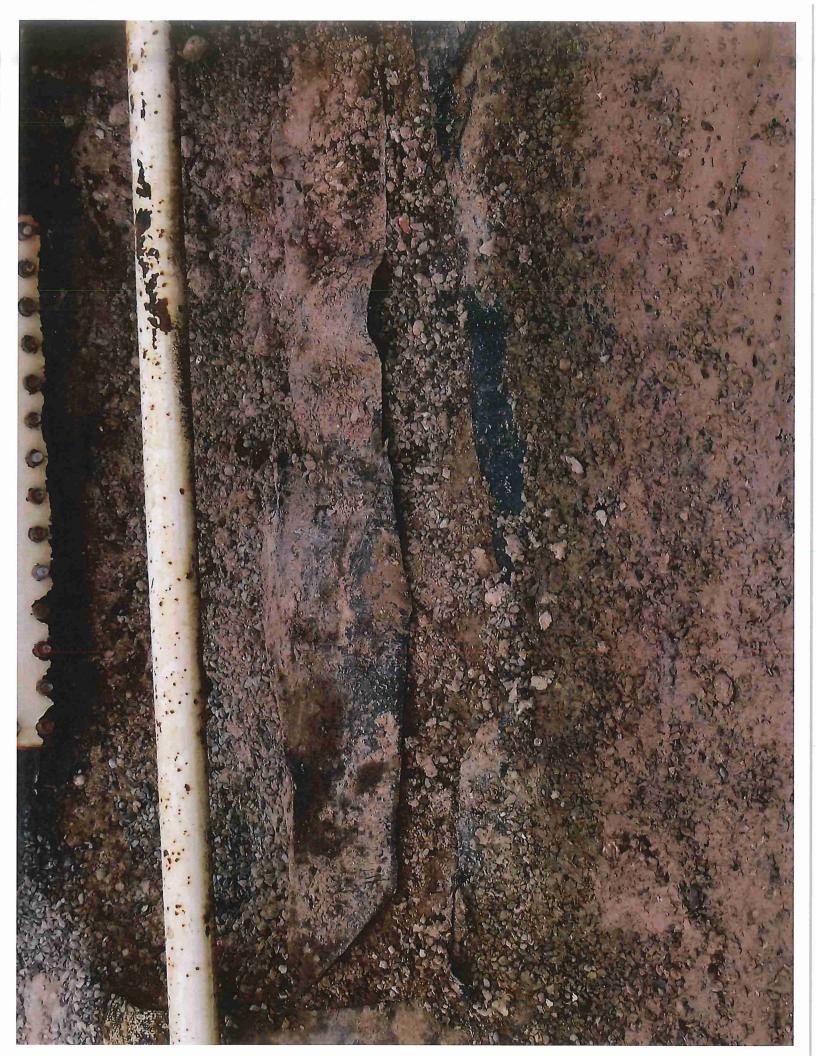


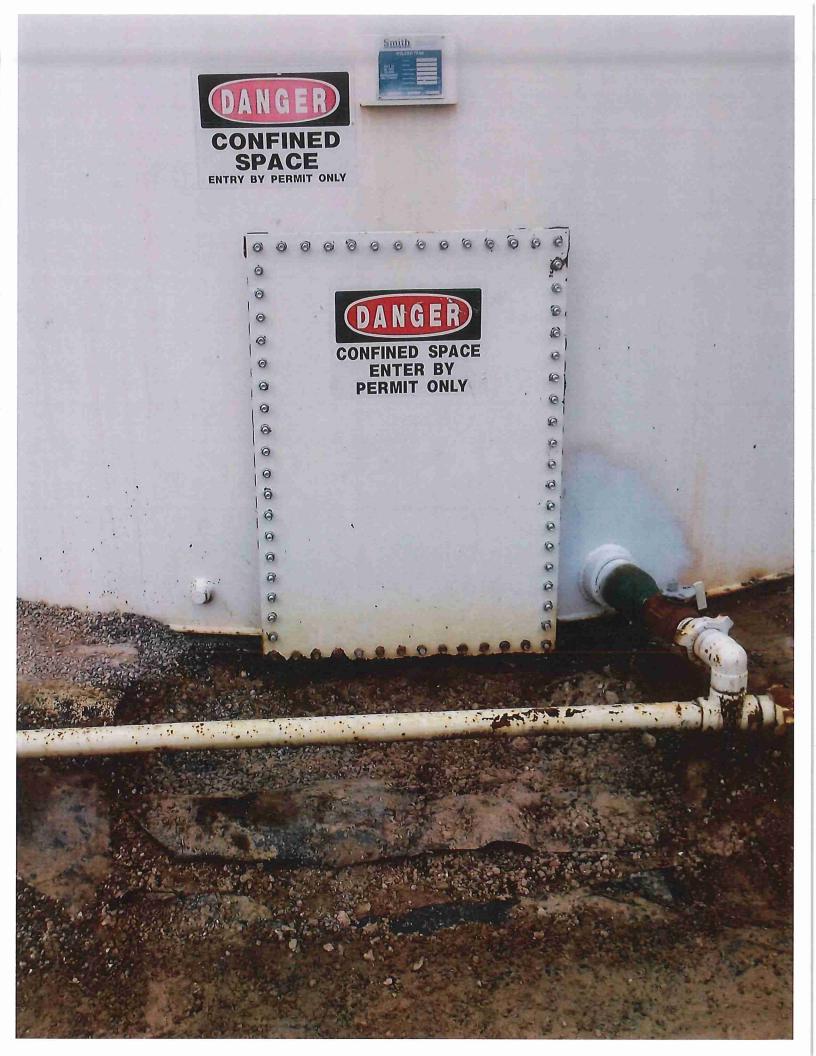














(1)





LABORATORY RESULTS



October 21, 2015

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PECOS RIVER STATION: OXY UNLOAD

Enclosed are the results of analyses for samples received by the laboratory on 10/20/15 10:55.

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.

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



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

Fax To:

(575) 745-8905

Received:

10/20/2015

Sampling Date:

10/20/2015

Reported:

10/21/2015

Sampling Type:

Soil

Project Name:

PECOS RIVER STATION: OXY UNLOAD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: TANK 1 (H502732-01)

BTEX 8021B	mg	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4,43	1.00	10/20/2015	ND	2.04	102	2.00	0.988	
Toluene*	22,9	1.00	10/20/2015	ND	1.86	92.8	2.00	1.59	
Ethylbenzene*	2.82	1.00	10/20/2015	ND	1.84	91.9	2.00	1.91	
Total Xylenes*	51.3	3.00	10/20/2015	ND	6.03	100	6.00	2.01	
Total BTEX	81.4	6.00	10/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 5	66.2-14.	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/20/2015	ND	368	92.0	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1930	50.0	10/20/2015	ND	201	100	200	2.40	
DRO >C10-C28	6050	50.0	10/20/2015	ND	215	107	200	1.74	
Surrogate: 1-Chlorooctane	126 9	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	181 9	6 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Kreena



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

Received:

10/20/2015

Reported:

10/21/2015

Project Name:

PECOS RIVER STATION: OXY UNLOAD

Project Number:

Project Location:

NONE GIVEN

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Cool & Intact

Soil

10/20/2015

Jodi Henson

Sample ID: TANK 2 (H502732-02)

BTEX 8021B	mg,	'L	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.05	2.00	10/20/2015	ND	2.04	102	2.00	0.988	
Toluene*	34.2	2.00	10/20/2015	ND	1.86	92.8	2.00	1.59	
Ethylbenzene*	13.7	2.00	10/20/2015	ND	1.84	91.9	2.00	1.91	
Total Xylenes*	93.6	6.00	10/20/2015	ND	6.03	100	6.00	2.01	
Total BTEX	143	12.0	10/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	66.2-14.	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/20/2015	ND	368	92.0	400	0.00	
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	3140	50.0	10/20/2015	ND	201	100	200	2.40	
DRO >C10-C28	6250	50.0	10/20/2015	ND	215	107	200	1.74	
Surrogate: 1-Chlorooctane	136 %	6 47.2-157	7						
Surrogate: 1-Chlorooctadecane	165 %	6 52.1-170	5						

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*=Accredited Analyte

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Celeg & Kuna

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keens



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Talon/LPE

	ANALYSIS REQUEST
Project Manager: 5. HIHCh COUN	
Address: 408 W. Texas Ave.	Company: Talon/LPE
City: Artesia state: NM zip: 88210	
Phone #: 575-746-8768 Fax #: 575-746-8905	Address:
Project #: Project Owner: 37 Mg Zu	City:
Project Name: PCLOS Rillow Station : DXY CUM load	State: Zip:
Project Location:	#
Sampler Name: C, HitCh.Cook	Fax *:
FOR LAB USE ONLY MATRIX	PRESERV SAMPLING
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE; ICE / COOL OTHER:
61 /	10-2440
	1 10-246 4:33
DE RACE DATE LA LACE	
ambject. All claims including those for negligence and any other cares whatsever shall be deemed white based in contract or loft, shall be limited to the amount paid by the cleent for the service. In no event shall Cardinal be liable for incidental or connectwental damages, including without limitation, business interruptions, loss of use, or loss of pois incurred by client, its subsidiance, affiliates or successors arising out of or related to the performance of services hereunded by Cardinal, repartiess of whether such clims, the based interval and within a house activity.	or lord, shall be limited to the amount paid by the client for the frequency by Cardinal within 30 days after completion of the applicable for the control of the applicable for the appli
	Phone Result:
	Rash!!
Delivered By: (Circle One)	CHECKED BY:

Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 383:2326



November 06, 2015

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PECOS RIVER STATION: OXY UNLOAD

Enclosed are the results of analyses for samples received by the laboratory on 10/30/15 15:15.

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/ga/lab accredited 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.

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



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

Received:

10/30/2015

Sampling Date:

10/30/2015

Reported:

11/06/2015

Sampling Type:

Soil

Project Name:

PECOS RIVER STATION: OXY UNLOAD

Sampling Condition:

Cool & Intact

Project Number:

701834.037.01

Sample Received By:

Celey D. Keene

Project Location:

NOT GIVEN

Sample ID: S-1 0' (H502858-01)

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*	0.159	0.050	11/05/2015	ND	2.08	104	2.00	2.22	
Toluene*	0.593	0.050	11/05/2015	ND	2.28	114	2.00	2.94	
Ethylbenzene*	<0.050	0.050	11/05/2015	ND	2.06	103	2.00	3.69	
Total Xylenes*	5.44	0.150	11/05/2015	ND	6.56	109	6.00	3.57	
Total BTEX	6.20	0.300	11/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	190	% 73.6-14	0						
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	139	10.0	11/04/2015	ND	212	106	200	1.40	
DRO >C10-C28	1360	10.0	11/04/2015	ND	218	109	200	2.41	
Surrogate: 1-Chlorooctane	122 5	% 35-147							
Surrogate: 1-Chlorooctadecane	145 9	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Kreene



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

Fax To:

(575) 745-8905

Received:

10/30/2015

Sampling Date:

10/30/2015

Reported:

11/06/2015

Sampling Type:

Soil

Project Name:

PECOS RIVER STATION: OXY UNLOAD

Sampling Condition:

Cool & Intact

Project Number:

701834.037.01

Sample Received By:

Celey D. Keene

Project Location:

NOT GIVEN

Sample ID: S-1 1' (H502858-02)

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	11/05/2015	ND	2.08	104	2.00	2.22	
Toluene*	<0.050	0.050	11/05/2015	ND	2.28	114	2.00	2.94	
Ethylbenzene*	<0.050	0.050	11/05/2015	ND	2.06	103	2.00	3.69	
Total Xylenes*	<0.150	0.150	11/05/2015	ND	6.56	109	6.00	3.57	
Total BTEX	<0.300	0.300	11/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 73.6-14	0						
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	11/04/2015	ND	212	106	200	1.40	
DRO >C10-C28	37.5	10.0	11/04/2015	ND	218	109	200	2.41	
Surrogate: 1-Chlorooctane	121 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	136 9	% 28-171							

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*=Accredited Analyte

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Celeg D. Keene



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

Received:

10/30/2015

Sampling Date:

10/30/2015

Reported:

11/06/2015

Sampling Type:

Soil

Project Name:

PECOS RIVER STATION: OXY UNLOAD

Sampling Condition:

Cool & Intact

Project Number:

701834.037.01

Sample Received By:

Project Location:

NOT GIVEN

Celey D. Keene

Sample ID: S-1 2' (H502858-03)

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	11/05/2015	ND	2.08	104	2.00	2.22	
Toluene*	<0.050	0.050	11/05/2015	ND	2.28	114	2.00	2.94	
Ethylbenzene*	<0.050	0.050	11/05/2015	ND	2.06	103	2.00	3.69	
Total Xylenes*	<0.150	0.150	11/05/2015	ND	6.56	109	6.00	3.57	
Total BTEX	<0.300	0,300	11/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 73.6-140)					-	
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	11/04/2015	ND	212	106	200	1.40	
DRO >C10-C28	<10.0	10.0	11/04/2015	ND	218	109	200	2.41	
Surrogate: 1-Chlorooctane	115 9	% 35-147							
Surrogate: 1-Chlorooctadecane	130 9	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keene



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

Received: Reported: 10/30/2015

11/06/2015

DECO:

Project Name: Project Number: PECOS RIVER STATION: OXY UNLOAD 701834.037.01

Project Location:

NOT GIVEN

Sampling Date:

10/30/2015

Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Celey D. Keene

Sample ID: S-1 3' (H502858-04)

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	11/05/2015	ND	2.08	104	2.00	2.22	
Toluene*	<0.050	0,050	11/05/2015	ND	2.28	114	2.00	2.94	
Ethylbenzene*	<0.050	0.050	11/05/2015	ND	2.06	103	2.00	3.69	
Total Xylenes*	<0.150	0.150	11/05/2015	ND	6.56	109	6.00	3.57	
Total BTEX	<0.300	0.300	11/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 73.6-140)						
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	11/04/2015	ND	212	106	200	1.40	
DRO >C10-C28	<10.0	10.0	11/04/2015	ND	218	109	200	2.41	
Surrogate: 1-Chlorooctane	115 %	6 35-147				~			
Surrogate: 1-Chlorooctadecane	129 9	6 28-171							

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Celeg D. Keene



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

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-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

*=Accredited Analyte

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Celey D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Talon/LPE Project Manager: 5, H/H/n/2 Address: 408 W. Texas A	Company Name: Talon/LPE Project Manager: 5, H/H/L/L/L/L Address: 408 W. Texas Ave.			P.O. #: Company: Talon/LPE				ANALYSIS	SIS	REQUEST	EST				- 10
Phone #: 575-746-8768	7 2		8905	Address:											
Project #: 10		3	SVV aller	State: Zip:											
Project Name:	DOCOS KIDE STEATER OXY CLAPE	0	XY Whole				 			-					
Project Location:	•			Tione #.											
Sampler Name:	S. HITCHCOCK			7											-
FOR LAB USE ONLY			R	PRESERV. SAMITLING	ING										
Lab I.D.	Sample I.D.	G)RAB OR (C)	CONTAINERS GROUNDWATE VASTEWATER SOIL DIL SLUDGE	OTHER: ACID/BASE: CE/COOL OTHER:	TIME + CU	137 EX									
	5-10	-		10/30/15		1		-	+	+	+	+	1	+	
S	5-11	5			h2:0 ,	1			+	+	+	\dagger	+		
S	5-12	1			20.00	1			+	+	+		+	+	_
he	5-13	1			0100					+				1	
									+	1	+	1			
										-		\vdash	1		
										-		\vdash	+	\vdash	
PLEASE NOTE: Liability a analyses. All claims including	PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the papicable analyses. At claims including those for negligence and any other cause whatboever shall be deemed warred unless made in whiting and received by Cardinal within 30 days after completion of the applicable analyses. At claims including those for negligence and any other cause whatboever shall be deemed warred unless made in whiting and received by close of ordist negrity claims. It is suitedairies.	ny claim Jeemed v	valved unless made in writing	ract or tort, shall be limited to the amount p and received by Cardinal within 30 days a ne hear of use or loss of groffs incurred b	paid by the client for the atter completion of the at y client, its subsidianes.	pplicable									
service. In no event shall of services or successors arise	service. In no event shall Cardinal be lable for incidental of contequental ordanagos, annuancy and services for incidental ordanagos of otherwise. Service in no event shall Cardinal post of or related to the performance of envirous hereunder by Cardinal, ordanagos of whether such claim is based upon any of the above stated reasons or otherwise. Phone Resul	ardinal,	regardless of whether such di	im is based upon any of the above stated	Phone Result:	t: O Yes	No	Add'l Phone #:	none #:						
Relinquished By:	y: Date: 10/30/s	X	Xeceived by:		Fax Result:		□ No	Add'l Fax #:	ax #:						
× sh	eller / Plan Times 3:15		"Lex les	en											

Sample Condition
Cool Intact
Unites Unites
No No

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinquished By:

Date: Time:

Received By