

Incident ID	NAPP2117355043
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Larry Baker Title: Environmental Tech SR.
 Signature: Larry Baker Date: 9/13/2021
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: Robert Hamlet Date: 3/16/2022

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: Robert Hamlet Date: 3/16/2022



303 Veterans Airpark Lane Midland, TX 79705

Amended Remediation Plan

November 4, 2021

Re: CLFCA Trunk Line
Case nAPP2117355043

Background:

On 6/15/2021 a release occurred due to a 4 inch metal grooved transition failed due to corrosion. The release (GPS: 32.82295, -103.98271) is located east of Loco Hills, New Mexico in unit letter E section 21 township 17S range 30E. On 8/2/2021 a soil bore was conducted 50 feet north of the release. The soil bore was advanced to a depth of 121 feet below ground surface. The bore hole was left open for 72 hours and gauged for the presence of water. The bore hole was dry to a depth of 121 feet.

On 6/15/2021 vertical delineation was conducted to a depth of 1 foot. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. On 8/3/2021 further delineation was conducted at SP1 utilizing a soil bore rig. SP 1 was advanced to a depth of 10 feet. All samples collected were submitted to commercial laboratory for analysis of chloride. On 9/17/2021 SP 2 was advanced to 4 feet and all samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX.

Remediation Plan:

Apache Corporation proposes that the release area be excavated to a depth of 4 feet below ground surface and a variance is requested to install a 20 mil reinforced liner. 5 point wall and bottom composite samples will be collected not to exceed 500 square feet. All excavated soil (750 yards) will be hauled to a temporary above ground treatment cell (See RXSOILS Attachment for treatment details). Once laboratory analysis confirm that the soil is below reclamation standards it will be utilized to backfill the excavation. The disturbed area will be reseeded in accordance with surface landowner's guidelines. The remediation will be completed within 90 days of OCD approval of the plan.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, Laboratory Results, Noxious Weed and Revegetation Plan, and RXSOILS Treatment Details.

Submitted by;

Bruce Baker

Environmental Technician
larry.baker@apachecorp.com
Cell# 432-631-6982

Incident ID	
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Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>121</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
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Printed Name: Larry Baker Title: Environmental Tech SR.
 Signature: *Larry Baker* Date: 9/13/2021
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

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Printed Name: Larry Baker Title: Environmental Tech SR.
 Signature: Larry Baker Date: 9/13/2021
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____



SB 2

SP1

SB 1

SP2

90 ft



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 18, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 06/15/21 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 JEFFREY BROOM
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/18/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	CFLCA TRUNK LINE (TYLER)	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ SURFACE (H211534-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.496	0.050	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	1.21	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	0.945	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	1.28	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	3.93	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36000	16.0	06/16/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	39.0	10.0	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	81.2	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.3 % 38.9-142

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 JEFFREY BROOM
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/18/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	CFLCA TRUNK LINE (TYLER)	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H211534-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.050	0.050	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	0.091	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	37600	16.0	06/16/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.0 % 38.9-142

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 JEFFREY BROOM
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/18/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	CFLCA TRUNK LINE (TYLER)	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ SURFACE (H211534-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.052	0.050	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	0.104	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	0.052	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	38400	16.0	06/16/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.7 % 38.9-142

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 JEFFREY BROOM
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/18/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	CFLCA TRUNK LINE (TYLER)	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H211534-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	<0.050	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34800	16.0	06/16/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.2 % 38.9-142

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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 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. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Apache Corporation
 Project Manager: Bruce Baller
 Address: _____
 City: _____ State: _____ Zip: _____
 P.O. #: _____ Company: _____
 Attn: _____
 Address: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 City: _____ State: _____ Zip: _____
 Project Name: CL-CA TRUNK LINE (TYLER)
 Project Location: CUSA TRUNK CANE
 Phone #: _____
 Sampler Name: Jeff Brown
 Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<u>H11534</u>	<u>SP1 @ Surface</u>	<u>6</u>	<u>6</u>	<u>✓</u>					<u>6/15/21</u>		<u>CL-</u>	
	<u>2 SP1 @ 1'</u>	<u>6</u>	<u>6</u>	<u>✓</u>					<u>6/15/21</u>		<u>BTEX</u>	
	<u>3 SP1 @ Surface</u>	<u>6</u>	<u>6</u>	<u>✓</u>					<u>6/15/21</u>		<u>EXT. TPH</u>	
	<u>4 SP2 @ 1'</u>	<u>6</u>	<u>6</u>	<u>✓</u>					<u>6/15/21</u>			

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Relinquished By: Jeff Brown
 Date: 6/15/21
 Time: 4:00
 Received By: Jeanette Alabaz
 Date: _____
 Time: _____

Delivered By: (Circle One) Observed Temp. °C 3.7
 Corrected Temp. °C _____
 Sampler - UPS - Bus - Other: _____
 Sample Condition: Cool Intact
 Checked By: J.B.
 Turnaround Time: _____ Standard Rush
 Thermometer ID #113 Correction Factor None
 Bacteria (only) Sample Condition: Cool Intact
 Corrected Temp. °C _____

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 06, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/03/21 16:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 JEFFREY BROOM
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	08/03/2021	Sampling Date:	08/03/2021
Reported:	08/06/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SB 1 @ 5' (H212064-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/05/2021	ND	432	108	400	3.77	

Sample ID: SB 1 @ 10' (H212064-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	08/05/2021	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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 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. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: APRISYS
 Project Manager: Jeff Beeman
 Address: _____
 City: Hobbs State: NM Zip: 88240
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: _____
 Project Location: CESCA Trunk line
 Sampler Name: see description
 P.O. #: _____
 Company: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX						PRESERV. ICE / COOL OTHER :	DATE	TIME	SAMPLING
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
<u>H212064</u>	<u>ASB105'</u>	<u>6</u>			<u>1</u>				<u>8/3</u>	<u>8:04</u>	<u>X</u>	
	<u>ASB1010</u>	<u>6</u>			<u>1</u>				<u>8/3</u>	<u>8:06</u>	<u>X</u>	

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Relinquished By: [Signature] Date: 8/3 Time: 8:04
 Received By: [Signature] Date: 8/3 Time: 8:06
 Turnaround Time: _____
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address: _____
 REMARKS: _____

Delivered By: (Circle One) Observed Temp. °C 5.4 Sample Condition Cool Intact Yes No
 Sampler - UPS - Bus - Other: _____ Corrected Temp. °C _____
 CHECKED BY: (Initials) [Initials]
 Bacteria (only) Sample Condition Cool Intact Yes No
 Thermometer ID #113 Yes No
 Correction Factor None Yes No
 Observed Temp. °C _____ Corrected Temp. °C _____



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 13, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 09/07/21 15:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 JEFFREY BROOM
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	09/07/2021	Sampling Date:	09/07/2021
Reported:	09/13/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 2' (H212438-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.94	97.1	2.00	6.30	
Toluene*	<0.050	0.050	09/09/2021	ND	2.13	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	2.11	105	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	6.35	106	6.00	6.30	
Total BTEX	<0.300	0.300	09/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13200	16.0	09/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2021	ND	228	114	200	7.73	
DRO >C10-C28*	<10.0	10.0	09/10/2021	ND	232	116	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	09/10/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 JEFFREY BROOM
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	09/07/2021	Sampling Date:	09/07/2021
Reported:	09/13/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 3' (H212438-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.94	97.1	2.00	6.30	
Toluene*	<0.050	0.050	09/09/2021	ND	2.13	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	2.11	105	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	6.35	106	6.00	6.30	
Total BTEX	<0.300	0.300	09/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19800	16.0	09/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2021	ND	228	114	200	7.73	
DRO >C10-C28*	<10.0	10.0	09/10/2021	ND	232	116	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	09/10/2021	ND					

Surrogate: 1-Chlorooctane 99.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 JEFFREY BROOM
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	09/07/2021	Sampling Date:	09/07/2021
Reported:	09/13/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 4' (H212438-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.94	97.1	2.00	6.30	
Toluene*	<0.050	0.050	09/09/2021	ND	2.13	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	2.11	105	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	6.35	106	6.00	6.30	
Total BTEX	<0.300	0.300	09/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	09/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2021	ND	228	114	200	7.73	
DRO >C10-C28*	<10.0	10.0	09/10/2021	ND	232	116	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	09/10/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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 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. Keene

Celey D. Keene, Lab Director/Quality Manager



**CLFCA Trunk-Line
nAPP2117355043
Revegetation
And
Noxious Weed Plan**

Revegetation Plan:

All the disturbed area in the pasture will be properly prepared and reseeded with BLM # 2. The disturbed area will be monitored to ensure successful revegetation is achieved. If revegetation is not successful after a couple of growing seasons the site will be reseeded.

Noxious Weed Plan:

Apache Corporation will treat noxious weeds if they become established within the area of remediation. Weed control will be maintained on the disturbed land where noxious weeds exist both prior to remediation and restoration. Apache Corporation will consult with the Authorized Officer for acceptable weed control methods.

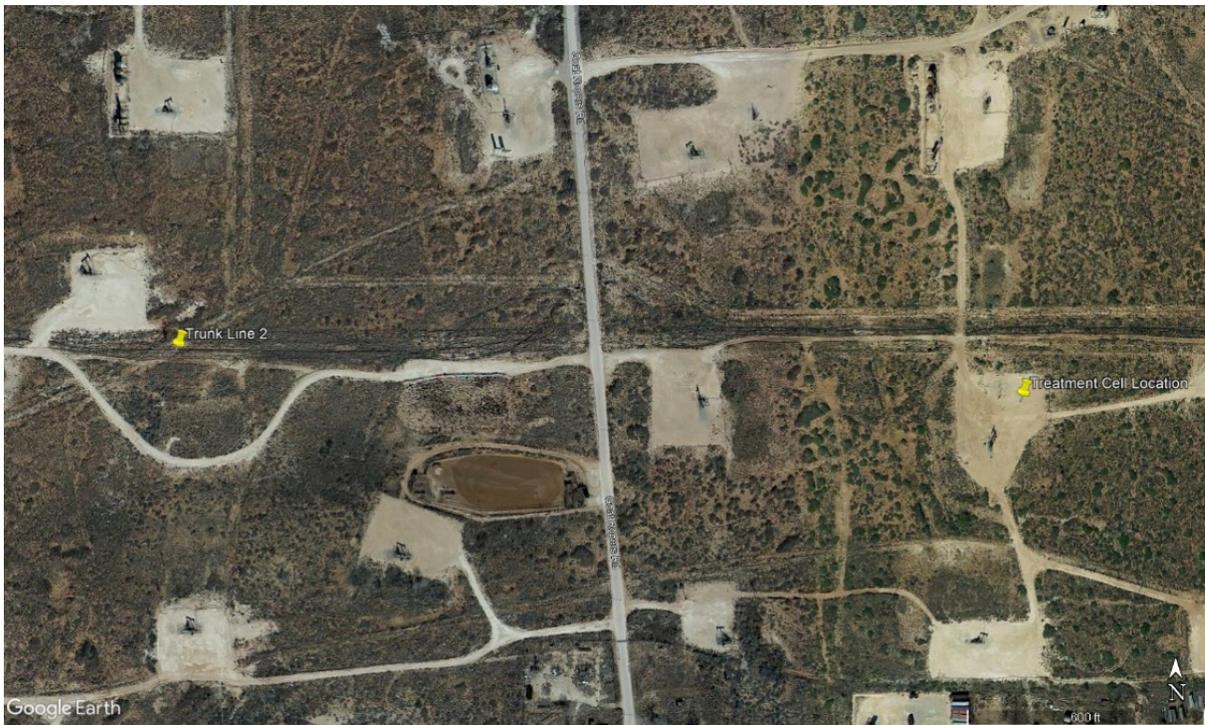


I. Soil Treatment Plan

RXSoil's core process of on-site remediation will be used to address the contamination. RXSoil will supervise all excavation with approval from area utilities owners via NM 811.

RXSoil will construct an above-ground treatment cell (see below for potential cell placement). Berms will be constructed around the perimeter of the cell area. A 20-mil reinforced poly liner will be placed on the surface and up the sides of the berms to contain treatment. A proprietary drainage and collection system will be installed prior to filling the cells. All contaminated soil will be placed in the contained treatment cell for treatment. It is estimated 750 cubic yards will require remediation.

Once all contaminated material is in the treatment cell, chemical and biological treatment will begin. To confirm successful treatment, confirmation samples will be gathered from the bottom 12" of the treated soil with one sample representing no more than 100 cubic yards as agreed upon in previous work. If a sample were to test above threshold, treatment would continue in that area until the soil tested clean, per strictest Table I guidelines for impacted soils. Once all soil is confirmed below Table I thresholds, soil will be backfilled, and the treatment cell will be demobilized



RXSoil, Inc.
201 Main St. Ste. 1360, Fort Worth, TX 76102

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
 Action 60330

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 60330
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Amended Remediation Plan is Conditionally Approved. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The variance for composite floor samples of 500 ft2 is approved. Sidewall samples should represent no more than 200 ft2. The variance to install a 20 mil reinforced liner at 4 feet is approved. The RXSOILS soil treatment cell is approved with samples representing no more than 200 cubic feet. The work will need to occur in 90 days after the work plan has been approved.	3/16/2022