Apache Corporation Turner Battery Water Transfer Line NRM2024528755

Final Remediation Report

Introduction

This report presents the results of remediation activities at the Turner Battery Water Transfer Line. On behalf of Apache Corporation (Apache), Diamondback Disposal Services, Inc (Diamondback) was tasked with the cleanup and remediation of release NRM2024528755. The release occurred in Unit Letter K, Section 22, Township 21S, Range 37E at coordinates 32.46367, -103.15219. The remediation was performed in general accordance with the New Mexico Oil Conservation Division (NMOCD) rules and regulations for releases dated July 24, 2018 and approved NMOCD work plan dated October 27, 2020.

Overview

The spill site is located mostly on private land, owned by Deck Estate, consisting of grass, prairie, or range lands. Approximately 28 bbls of produced water was lost with 15 bbls being recovered, due to a ruptured 3" poly flow line.

Regulatory Guidelines

Upon review of the site characteristics, depth to ground water being 51'-100' according to well data obtained from New Mexico Office of the State Engineer, and Table 1 Closure Criteria, The Recommended Remediation Action Levels (RRAL), determined by the latest NMOCD guidelines (19.15.29 NMAC) are as follows: 10,000mg/kg Chloride, 1,000 mg/kg GRO/DRO, 2,500 mg/kg GRO/DRO/MRO, 50 mg/kg BTEX, 10mg/kg Benzene.

Remediation Activities

Between the dates of February 8, 2021 and March 5, 2021, Diamondback excavated approximately 800 cubic yards (cy) of impacted material, loaded, and transported to Sundance Services Parabo Facility for disposal. Depth of excavation is approximately 4 feet below ground surface. Between the dates of February 22. 2021 and March 10, 2021 the site was sampled to determine if RRAL's had been met. Five-point composite samples were collected, every 200 square feet of side wall, packaged and delivered to a third-party lab, with chain of custody, for testing as per regulatory standards. (see attached analytical). Upon review of analytical, all wall samples prove to be below Table 1 RRAL's for site closure. Being that the spill area was excavated to a depth of 4 feet bgs all restoration and reclamation standards have been met. On March 23, 2021, a 20-mil reinforced liner was installed at 4' bgs throughout the entire excavation and seated along edges. On March 23, 2021 backfilling began and ran thru March 26, 2021. Backfill was obtained from the surrounding dunes at the private surface owner's request. Material was placed in a manner to promote compaction, crowned, and sloped to promote storm water runoff and erosion prevention. Excavated pasture area, including unexcavated disturbed areas., will be seeded during the next optimal growing season with seed mix approved by Deck Estate.

Conclusions

Upon review of all analytical and data provide by the third-party independent lab, it is our belief that all recommended remediation action levels have been met. Diamondback feels the migration of any remaining contaminants through the vadose zone, has been greatly reduced. Therefore, leaving this site in a manner that will pose very little if any future environmental threat.

Incident ID District RP Facility ID Application ID

Closure

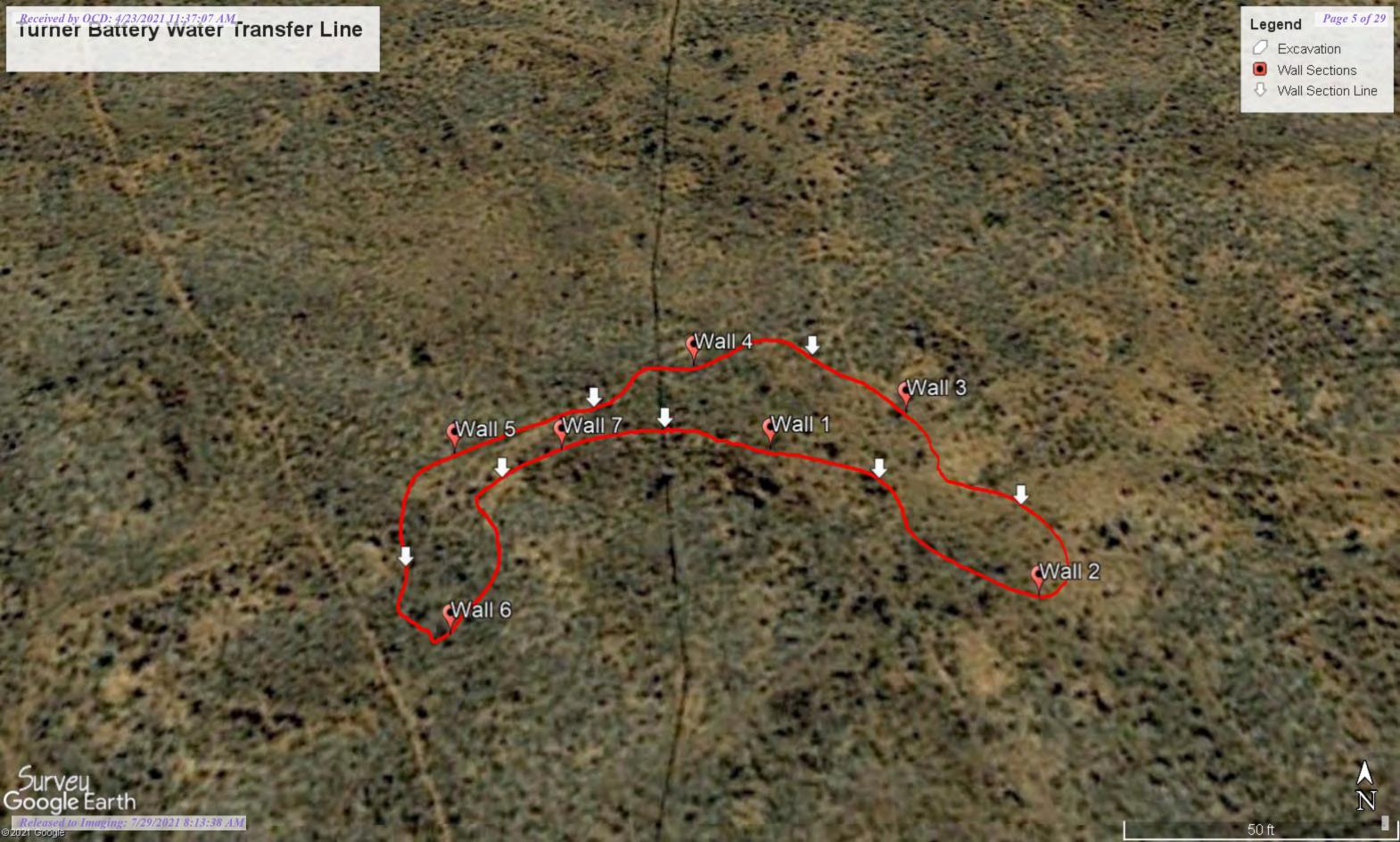
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Larry Baker Title: Environmental Tech SR. Signature: Larry Baker Date: 4/23/2021 Telephone: 432-631-6982 Chad Hensley Chad Hensley Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by:	Closure Repor	rt Attachment Checklist: Each of the following	items must be inc	luded in the closure report.
must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities 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 be operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Larry Baker Title: Environmental Tech SR. Date: 4/23/2021 Telephone: 432-631-6982 Chad Hensley Date: O7/29/2021 Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	A scaled si	te and sampling diagram as described in 19.15.29	.11 NMAC	
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Signature:	and regulations a may endanger pu should their oper human health or compliance with restore, reclaim, accordance with	all operators are required to report and/or file certa- ublic health or the environment. The acceptance of rations have failed to adequately investigate and re- the environment. In addition, OCD acceptance of any other federal, state, or local laws and/or regu- and re-vegetate the impacted surface area to the case of	ain release notifica of a C-141 report be emediate contamin f a C-141 report do lations. The respo conditions that exis OCD when reclam	tions and perform corrective actions for releases which y the OCD does not relieve the operator of liability ration that pose a threat to groundwater, surface water, so not relieve the operator of responsibility for nsible party acknowledges they must substantially ted prior to the release or their final land use in ration and re-vegetation are complete.
Chad Hensley Received by: Date:	Printed Name: _	Larry Baker	Title: Living	oninental recircit.
Chad Hensley Received by: Date:	Signature:	Larry Baker	_ Date: 4/23/20	021
Chad Hensley Received by:	email: larry.ba	aker@apachecorp.com	Telephone: 43	2-631-6982
Chad Hensley Received by:				
remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by:		Chad Hensley	Date:	07/29/2021
	remediate contan	nination that poses a threat to groundwater, surface	e water, human hea	
	Closure Approve	ed by:	Date:	07/29/2021

Project Name:

Turner Battery Transfer Line

SAMPLE ID	SAMPLE DATE	DEPTH FT BGS	CHLORIDE Mg/Kg	BTEX Mg/Kg	TPH Mg/Kg
Sec W 1 Wall (H210604-01)	3-10-21	1'-4'	288	<0.300	<10.0
Sec W 2 Wall (H210604-02)	3-10-21	1'-4'	304	<0.300	<10.0
Sec W 3 Wall (H210604-03)	3-10-21	1'-4'	<16.0	<0.300	<10.0
Sec W 4 Wall (H210604-04)	3-10-21	1'-4'	<16.0	<0.300	<10.0
Sec W 5 Wall (H210604-05)	3-10-21	1'-4'	864	<0.300	<10.0
Sec W 5 Wall (H210684-01)	3-18-21	1'-4'	32.0	N/A	N/A
Sec W 6 Wall (H210604-06)	3-10-21	1'-4'	656	<0.300	<10.0
Sec W 6 Wall (H210684-02)	3-18-21	1'-4'	16.0	N/A	N/A
Sec W 7 Wall (H210604-07)	3-10-21	1'-4'	752	<0.300	<10.0
Sec W 7 Wall (H210684-03)	3-18-21	1'-4'	32.0	N/A	N/A









♠ 182°S (T) ● 32°27'49"N, 103°9'8"W ±13ft ▲ 3416ft





90 120 150 180 • | • | • | • | • | • | • | • | ♠ 132°SE (T) ● 32°27'49"N, 103°9'8"W ±13ft ▲ 3415ft





March 16, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TURNER BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/10/21 16:19.

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 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



Analytical Results For:

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

Received:

03/10/2021

Reported: Project Name: 03/16/2021

Project Number: Project Location: TURNER BATTERY WATER TRANSFER LINE

NONE GIVEN

Sampling Date:

Sampling Date: Sampling Type:

Sampling Type: Sampling Condition:

Sampling Condition: Sample Received By: 03/10/2021

Soil Cool & Int

Cool & Intact Jodi Henson

Sample ID: W 1 BGS 1'- 4' (H210604-01)

BTEX 8021B	mg/	kg	Analyz	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	Q	73/	
Benzene*	<0.050	0.050	03/13/2021	ND			True Value QC	RPD	Qualifier
Toluene*	<0.050	0.050	03/13/2021		1.92	95.8	2.00	0.0580	
Ethylbenzene*	<0.050	0.050		ND	1.92	95.8	2.00	2.11	
Total Xylenes**	<0.150		03/13/2021	ND	1.93	96.3	2.00	2.18	
Total BTEX		0.150	03/13/2021	ND	6.15	102	6.00	2.17	
3.5.5.5.5.5.	<0.300	0.300	03/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	73.3-12	0						
Chloride, SM4500Cl-B	mg/k	1,000		ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	000	4004
Chloride	288	16.0	03/12/2021	ND	400			RPD	Qualifier
TPH 8015M	mg/k	g		d By: MS	700	100	400	0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	0 10
GRO C6-C10*	<10.0	10.0	03/15/2021	ND	183	91.7			Qualifier
DRO >C10-C28*	<10.0	10.0	03/15/2021	ND	193		200	3.26	
EXT DRO >C28-C36	<10.0	10.0	03/15/2021	ND	195	96.4	200	8.89	
Surrogate: 1-Chlorooctane	86.3 %	44.3-144							
Surrogate: 1-Chlorooctadecane	83.1 %								

Cardinal Laboratories

*=Accredited Analyte

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Celegy Keine



Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240 (575) 393-2432

Fax To:

03/10/2021

Reported:

Received:

03/10/2021 03/16/2021

Sampling Date: Sampling Type:

Soil

Project Name:

TURNER BATTERY WATER TRANSFER LINE Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

Sample Received By:

Jodi Henson

Sample ID: W 2 BGS 1'- 4' (H210604-02)

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	03/13/2021	ND	1.92	95.8	2.00	0.0580	
Toluene*	<0.050	0.050	03/13/2021	ND	1.92	95.8	2.00	2.11	
Ethylbenzene*	<0.050	0.050	03/13/2021	ND	1.93	96.3	2.00	2.18	
Total Xylenes*	<0.150	0.150	03/13/2021	ND	6.15	102	6.00	2.17	
Total BTEX	<0.300	0.300	03/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/12/2021	ND	400	100	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*	<10.0	10.0	03/12/2021	ND	183	91.7	200	3.26	
DRO >C10-C28*	<10.0	10.0	03/12/2021	ND	193	96.4	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	03/12/2021	ND					
Surrogate: 1-Chlorooctane	87.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	86.3	% 42.2-15	6						

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*=Accredited Analyte

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Analytical Results For:

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

Received:

03/10/2021

Reported:

03/16/2021

Project Name: Project Number: TURNER BATTERY

Project Location:

WATER TRANSFER LINE NONE GIVEN

Sampling Date:

03/10/2021

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: W 3 BGS 1'- 4' (H210604-03)

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	03/13/2021	ND	1.92	95.8	2.00	0.0580	
Toluene*	<0.050	0.050	03/13/2021	ND	1.92	95.8	2.00	2.11	
Ethylbenzene*	<0.050	0.050	03/13/2021	ND	1.93	96.3	2.00	2.18	
Total Xylenes*	<0.150	0.150	03/13/2021	ND	6.15	102	6.00	2.17	
Total BTEX	<0.300	0.300	03/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/12/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10,0	03/12/2021	ND	183	91.7	200	3,26	
DRO >C10-C28*	<10.0	10.0	03/12/2021	ND	193	96.4	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	03/12/2021	ND					
Surrogate: 1-Chlorooctane	89.4	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	88.3	% 42.2-15	6						

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*=Accredited Analyte

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Analytical Results For:

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

Received:

03/10/2021

Sampling Date:

03/10/2021

Reported:

03/16/2021

Sampling Type:

Soil

Project Name:

TURNER BATTERY

Sampling Condition:

Cool & Intact

Project Number:

WATER TRANSFER LINE

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: W 4 BGS 1'- 4' (H210604-04)

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	03/12/2021	ND	2.06	103	2.00	5.35	
Toluene*	<0.050	0.050	03/12/2021	ND	2.14	107	2.00	5.40	
Ethylbenzene*	< 0.050	0.050	03/12/2021	ND	2.11	106	2.00	5.23	
Total Xylenes*	<0.150	0.150	03/12/2021	ND	6.66	111	6.00	5.45	
Total BTEX	<0.300	0.300	03/12/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/12/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS				1100	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2021	ND	183	91.7	200	3.26	
DRO >C10-C28*	<10.0	10.0	03/12/2021	ND	193	96.4	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	03/12/2021	ND					
Surrogate: I-Chlorooctane	90.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.0	% 42.2-15	6						

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*=Accredited Analyte

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Analytical Results For:

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

Received:

BTFY 80218

03/10/2021

Reported: Project Name: 03/16/2021

Project Number:

TURNER BATTERY
WATER TRANSFER LINE

Project Location:

NONE GIVEN

Sampling Date:

03/10/2021

Sampling Type:

Soil

Sampling Condition: Sample Received By:

Cool & Intact

Jodi Henson

Sample ID: W 5 BGS 1'- 4' (H210604-05)

.050 .050	Reporting Limit 0.050 0.050	Analyzed 03/12/2021	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
.050		03/12/2021	ND					Qualities
	0.050		140	2.06	103	2.00	5.35	
.050		03/12/2021	ND	2.14	107	2.00	5.40	
	0.050	03/12/2021	ND	2.11	106	2.00	5.23	
.150	0.150	03/12/2021	ND	6.66	111	6.00	5.45	
.300	0,300	03/12/2021	ND					
107 %	6 73.3-12	9						
mg/	kg	Analyze	d By: AC					
sult	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
64	16.0	03/12/2021	ND	400	100	400	0.00	
mg/	kg	Analyze	d By: MS					
sult	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
0.0	10.0	03/12/2021	ND	183	91.7	200	3.26	
0.0	10.0	03/12/2021	ND	193	96.4	200	8.89	
0.0	10.0	03/12/2021	ND					
91.5 %	6 44.3-14	1						
90.3 %	42.2-150	5						
	300 107 % mg/l sult 64 mg/l sult 0.0 0.0 91.5 %	300 0,300 107 % 73.3-12: mg/kg sult Reporting Limit 64 16.0 mg/kg sult Reporting Limit 0.0 10.0 0.0 10.0 91.5 % 44.3-14-	150 0.150 03/12/2021 300 0.300 03/12/2021 107 % 73.3-129 mg/kg Analyze sult Reporting Limit Analyzed 64 16.0 03/12/2021 mg/kg Analyze sult Reporting Limit Analyzed 0.0 10.0 03/12/2021 0.0 10.0 03/12/2021 0.0 10.0 03/12/2021 91.5 % 44.3-144	150 0,150 03/12/2021 ND 300 0,300 03/12/2021 ND 107 % 73.3-129 mg/kg Analyzed By: AC Sult Reporting Limit Analyzed Method Blank 64 16.0 03/12/2021 ND mg/kg Analyzed By: MS Sult Reporting Limit Analyzed Method Blank 0.0 03/12/2021 ND 0.0 10.0 03/12/2021 ND	150 0.150 03/12/2021 ND 6.66 300 0.300 03/12/2021 ND 107 % 73.3-129 mg/kg Analyzed By: AC Sult Reporting Limit Analyzed Method Blank BS 64 16.0 03/12/2021 ND 400 mg/kg Analyzed By: MS Sult Reporting Limit Analyzed Method Blank BS 0.0 0 10.0 03/12/2021 ND 183 0.0 10.0 03/12/2021 ND 193 0.0 10.0 03/12/2021 ND 193 0.0 10.0 03/12/2021 ND 193	150 0.150 03/12/2021 ND 6.66 111 300 0.300 03/12/2021 ND 107 % 73.3-129 mg/kg Analyzed By: AC Sult Reporting Limit Analyzed Method Blank BS % Recovery 64 16.0 03/12/2021 ND 400 100 mg/kg Analyzed By: MS Sult Reporting Limit Analyzed Method Blank BS % Recovery 0.0 10.0 03/12/2021 ND 183 91.7 0.0 10.0 03/12/2021 ND 193 96.4 0.0 10.0 03/12/2021 ND 91.5 % 44.3-144	150 0.150 03/12/2021 ND 6.66 111 6.00 300 0.300 03/12/2021 ND 107 % 73.3-129 mg/kg Analyzed By: AC Sult Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 64 16.0 03/12/2021 ND 400 100 400 mg/kg Analyzed By: MS Sult Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 0.0 10.0 03/12/2021 ND 183 91.7 200 0.0 10.0 03/12/2021 ND 183 91.7 200 0.0 10.0 03/12/2021 ND 193 96.4 200 0.0 10.0 03/12/2021 ND 193 96.4 200 91.5 % 44.3-144	150 0,150 03/12/2021 ND 6.66 111 6,00 5.45 300 0,300 03/12/2021 ND 107% 73.3-129 mg/kg Analyzed By: AC Sult Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 64 16.0 03/12/2021 ND 400 100 400 0.00 mg/kg Analyzed By: MS Sult Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 0.0 10.0 03/12/2021 ND 183 91.7 200 3,26 0.0 10.0 03/12/2021 ND 193 96.4 200 8.89 0.0 10.0 03/12/2021 ND

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Celley D. Keine



Analytical Results For:

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

Received: Reported: 03/10/2021

03/16/2021

Project Name: Project Number: TURNER BATTERY

Project Location:

WATER TRANSFER LINE

NONE GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 03/10/2021

Soil

Cool & Intact Jodi Henson

Sample ID: W 6 BGS 1'- 4' (H210604-06)

BTEX 8021B

	9/		Allalyze	u by. ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2021	ND	2.06	103	2.00	5.35	
Toluene*	<0.050	0.050	03/12/2021	ND	2.14	107	2.00	5.40	
Ethylbenzene*	< 0.050	0.050	03/12/2021	ND	2.11	106	2.00	5.23	
Total Xylenes*	<0.150	0.150	03/12/2021	ND	6.66	111	6.00	5.45	
Total BTEX	<0.300	0.300	03/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL

105%

73.3-129

Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte Chloride TPH 8015M	Result 656 mg	Reporting Limit 16.0 /kg	Analyzed 03/12/2021 Analyze	Method Blank ND ad By: MS	BS 400	% Recovery	True Value QC 400	RPD 0.00	Qualifier
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10,0	10.0	03/12/2021	ND	183	91.7	200	3.26	
DRO >C10-C28*	<10.0	10.0	03/12/2021	ND	193	96.4	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	03/12/2021	ND				4.75	

Surrogate: 1-Chlorooctane

89.6%

44.3-144

Surrogate: 1-Chlorooctadecane

88.7%

42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Released to Imaging: 7/29/2021 8:13:38 AM



Analytical Results For:

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

Received:

03/10/2021

Reported:

BTEX 8021B

03/16/2021

Project Name:

Project Number: Project Location: WATER TRANSFER LINE NONE GIVEN

TURNER BATTERY

Sampling Date:

03/10/2021

Sampling Type:

Soil

Sampling Condition: Sample Received By:

Cool & Intact

Jodi Henson

Sample ID: W 7 BGS 1'- 4' (H210604-07)

DIEX 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	03/12/2021	ND	2.06	103	2.00	5.35	
Toluene*	<0.050	0.050	03/12/2021	ND	2.14	107	2.00	5.40	
Ethylbenzene*	<0.050	0.050	03/12/2021	ND	2.11	106	2.00	5.23	
Total Xylenes*	< 0.150	0.150	03/12/2021	ND	6.66	111	6.00	5.45	
Total BTEX	<0.300	0.300	03/12/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 5	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	03/12/2021	ND	400	100	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*	<10.0	10.0	03/12/2021	ND	183	91.7	200	3.26	
DRO >C10-C28*	<10.0	10.0	03/12/2021	ND	193	96.4	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	03/12/2021	ND					
Surrogate: 1-Chlorooctane	86.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.6	% 42.2-15	6						

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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

Cardinal Laboratories

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Celeg & Keene

Celey D. Keene, Lab Director/Quality Manager

Released to Imaging: 7/29/2021 8:13:38 AM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL
Laboratories

101 East Marland, Hobbs, NM 88240
(675) 393-2326 FAX (675) 393-2476

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

# 000 (0:0) 00: 0 #0# 000 (0:0)		
Company Name: Provide	BILL TO	ANALYSIS REQUEST
Project Manager: Power Burer	P.O. #:	
Address:	Company:	
City: Plobles State: NN	State: NW Zip: SZ 340 Attn:	
71	Address:	
Project #: Project Owner:	: City:	
Project Name:	State: Zip:	
"Turner Buttery	Water Transfer line Phone #:	
Sampler Name: Colo Color Sc.	Fax #:	
FOR LAB USE ONLY	RS TER	4
H210604	(G)RAB OR (C) # CONTAINER GROUNDWAT WASTEWATE SOIL OIL SLUDGE OTHER: ACID/BASE: CD/ COOL OTHER:	EXTEX
I WEST ICU	3110	
A SOBAM	×× ××	XXXXXX
4 wy 800 14	3000 X	
-	XX Siis	×××
1 mg 800 LM	C1 1 3/10 3:22 X	XX
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3 3	Regeived By: Verbal Result:	Verbal Result:
One	Sample Condition CHECKED BY: Turnary Ind.	8
Sampler - UPS - Bus - Other: Corrected Temp. °C	Cool Intact Initials) Wes Tes	Rush



March 18, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TURNER BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/18/21 8:55.

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/ga/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.

Celeg & Kreine

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

Page 1 of 4



Analytical Results For:

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

Received:

03/18/2021

03/18/2021

Project Name: Project Number: TURNER BATTERY

Project Location:

TURNER BATTERY WATER TRANSFER LI

NONE GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 03/18/2021

Soil

Cool & Intact

Tamara Oldaker

Sample ID: W 5 BGS 1'-4' (H210684-01)

Chloride, SM4500Cl-B

Chloride

Chloride

Chloride

Reported:

mg/kg

Analyzed By: GM

Analyte

Reporting Limit Result 32.0 16.0

Reporting Limit

16.0

Analyzed 03/18/2021

Analyzed

03/18/2021

Method Blank ND

BS 400 % Recovery 100

True Value QC 400

RPD 3.92

Qualifier

Sample ID: W 6 BGS 1'-4' (H210684-02)

Chloride, SM4500Cl-B

Analyte

Analyte

mg/kg

Result

16.0

Result

32.0

Analyzed By: GM

Method Blank

ND

ND

BS 400 % Recovery 100

True Value QC 400

RPD

3.92

Qualifier

Sample ID: W 7 BGS 1'-4' (H210684-03)

Chloride, SM4500CI-B

Analyzed By: GM

Reporting Limit Analyzed 16.0 03/18/2021

BS Method Blank 400 % Recovery 100

True Value QC 400

RPD 3.92 Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celegis Keen

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4

ND



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

Notes and Definitions

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

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories *=Accredited Analyte

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Celego Keene

Refinquished By:

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

Corrected Temp. °C Observed Temp. °C 5.9

Cool Intact
Tyes Tyes
No No No Sample Condition

> CHECKED BY: 40 (Initials)

> > Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Infact Observed Temp.

Yes Yes
No Corrected Temp.

Corrected Temp. °C Observed Temp. °C REMARKS:

Thermometer ID #113 Correction Factor None

Relinquished By:

Date:

Received By:

All Results are emailed. Please provide Email address:

Dimontock 24 o below. Com

Verbal Result:

□ Yes

NO IS

Add'l Phone #:

Received By:

Time:

enalyses. All claims including those for negligence and any othy service. In no event shall Cardinal be liable for incidental or con-

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Opposition of the Committee And Proposition of the Committee of the Commit	AND THE PROPERTY OF THE PROPER	TOTAL STATE OF THE PROPERTY OF		
Company Name:	bird w		BILL TO	ANALYSIS REQUEST
roject Manager: 12	Project Manager! Styce Bulley		P.O. #:	
Address:			Company:	
city: Hobbs	State: N	State: NM Zip: 82240	Attn:	
Phone #:	Fax#:		Address:	
Project #:	Project Owner:	wner:	City:	
Project Name:			State: Zip:	
Project Location:	Thomas Balterin	Buttern water transfer Phone #		
Sampler Name: ()	V >	2. Line	Fax#:	
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING	
Lab I.D. Halbb84	Sample I.D.	(G)RAB OR © DMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICB/I COOL OTHER: DATE	CL
1	15 BLS 14	· ·	- (
2	10 BOS1-41	С -	96:3	<i>x</i>
UN SU	3 W7 BBS 1-4		3 18 8:28	

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

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 25379

CONDITIONS

Operator:	OGRID:	
APACHE CORPORATION	873	
303 Veterans Airpark Ln	Action Number:	
Midland, TX 79705	25379	
	Action Type:	
	[C-141] Release Corrective Action (C-141)	

CONDITIONS

Created By	Condition	Condition Date
chensley	None	7/29/2021