



AmeredeV II, LLC

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August 20, 2024

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

RE: Deferral Request
Incident ID: nAPP2414845352
Par 3 105 H Waterline
Project ID: 20240526-1900-par3_105H
32.1653271, -103.2938588

NMOCD:

AmeredeV Operating submits this deferral request for Incident [nAPP2414845352](#). We respectfully ask NMOCD for remediation deferral around production equipment. Production equipment is limited to the six (6) buried flowlines underlying the release extent. AmeredeV Operating's policy is to limit excavation around buried flowlines whenever there is a risk to human health and the environment. Remediation around the active flowlines would endanger human health and life and cause a risk to the environment if a flowline is damaged during remedial activities. Furthermore, remediation around the flowlines would require shutting-in and depressurizing the flowlines, causing major facility shutdowns.



Figure 1: Eastern release extent that flowed along a pipeline ROW containing seven pressurized flowlines.

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The release occurred on May 25, 2024 caused by rupture of a produced water pipeline riser. The calculated volume of released produced water was approximately 150 barrels, 75 barrels recovered. The release is located on Fee surface. The release did not impact surface or groundwater.

Communications associated with the release are included in Appendix A.

1 Characterization

The following sections address items as described in 19.15.29.11.A, paragraphs 1- 4. Please refer to the digital reporting characterization table for additional setback criteria and verification (Plates 2-9).

1.1. Site Map

Horizontal extent of the release was determined by visual observations while the release flow pattern was visible. The release extent mapping utilized GPS technology with sub-meter accuracy.

Plate 1 shows the release extent relative to production sites and subject flowlines. The source of the release is located at 32.1653271, -103.2938588 (Lat, Long; NAD83). The release extent covered an area of approximately 23,435 sq. ft.

1.2. Depth to Ground Water

The depth to water was determined based on a depth to water boring and is mapped on Plate 2:

- MISC-419 (CP-1949 POD 1) is located 402 ft NW of location. Depth to water was measured at >102-feet bgs. The borehole has been plugged. The Well Log is presented in Appendix B.

1.3. Wellhead Protection Area

Plate 3 shows that the release extent is:

- Not within incorporated municipal boundaries or within a defined municipal fresh water well field.
- Not within ½-mile private and domestic water sources (wells and springs).
- Not 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
- Not within 1000 feet of any other fresh water well or spring.

1.4. Distance to Nearest Significant Water Course

Plate 4 shows that the release extent is:

- Within ½ mile of a significant water course.
- Within 300 feet of a significant watercourse.
- Not within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

The mapped intermittent stream terminus runs through the release area. It is dry, and any flow into that streambed is obstructed by infrastructure (production sites, lease roads, ROWs).

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Site Characterization	
What is the shallowest depth to groundwater (ft bgs) Plate 2	>102 ft Misc 419; CP-1949 POD 1 – 402 ft NW of location
What measure was used to determine this?	direct
Did this release impact ground or surface water?	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
<ul style="list-style-type: none"> A continuously flowing watercourse or any other significant watercourse. Plate 4 	The terminus of an intermittent stream passes through the release location.
<ul style="list-style-type: none"> Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark). Plate 4 	Lake/pond mapped 1885 ft to NW of location
<ul style="list-style-type: none"> An occupied permanent residence, school, hospital, institution or church. Plate 5 	Ranch located 2.62 miles to the SE of location
<ul style="list-style-type: none"> A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes. Plate 3 	Livestock watering 1.17 mi NE of location
<ul style="list-style-type: none"> Any other fresh water well or spring. Plate 3 	Livestock watering 1.17 mi NE of location
<ul style="list-style-type: none"> Incorporated municipal boundaries or a defined municipal fresh water well field. Plate 3 	7.3 miles to the SE (City of Jal)
<ul style="list-style-type: none"> A wetland. Plate 6 	Freshwater Pond mapped 1885 ft to the NW – dry depression on aerial photography
<ul style="list-style-type: none"> A subsurface mine. Plate 7 	>5 miles
<ul style="list-style-type: none"> A (non-karst) unstable area. 	>5 miles
<ul style="list-style-type: none"> Categorize the risk of this well/site being in a karst geology. Plate 8 	Low
<ul style="list-style-type: none"> A 100-year floodplain. Plate 9 	6.47 miles to the SE
Did the release impact areas not on an exploration, development, production, or storage site?	Yes

1.5. Soil/Waste Characteristics

The release occurred in an area where depth to water is >100 ft below ground surface (bgs) and on an active pipeline ROW used for oil and gas operations.

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The release occurred in the Pyote loamy fine sand complex, with a slope of 0 – 3%¹. The USDA Natural Resources Conservation Service (NRCS) soil survey describes the upper 5-foot lithology as

- *A* - 0 to 25 inches: loamy fine sand
- *Bt* - 25 to 60 inches: fine sandy loam

The NRCS description is consistent with the lithology observed during excavation for line repair and hydrovac windows during delineation sampling.

1.6. Sampling Methodology

Soil samples were collected during line repair (Figure 2) and hydrovac operations (Figure 3) to visually site (window) flowlines to determine the safety of remedial activities. The hydrovac windows were extended lengthwise to allow for delineation soil sampling.



Figure 2: Excavation area during flowline repair. Viewing east from near the source. 06/10/2024. 32.1653333 N, 103.2939297 W

¹ <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

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Figure 3: Hydrovac windows for line spotting and soil sampling near CS-09. 07/19/2024. 32.1653289 N, 103.2922439 W

While the pipeline was being repaired, soil samples were collected for horizontal and vertical delineation from the excavation walls to support the deferral request. Soil samples collected from the excavation during line repair at discrete locations are shown on Plate 10 that include:

- CS-Source. Base sample at 5 ft. Vertical delineation samples collected from a hand auger to 9-ft below ground surface.
- CS-01. Excavation wall composite at vertical depth intervals shown on Table 1.
- CS-02. Excavation wall composite at vertical depth intervals shown on Table 1. Hand auger grab samples were obtained at the sidewall base to obtain vertical delineation to 6.5 ft below ground surface.

CS-Source, CS-01, CS-02, and hydrovac walls samples CS-03 through CS-12, with the exception of CS-03.1, were collected using the following method:

1. Use a decontaminated shovel to expose a clean sidewall.
2. Lower portions of the sidewall were sampled first to avoid cross contamination from soils sluffing off from the upper portions.
3. Obtaining a representative volume of soil for the depth interval shown in Table 1 and place soil in a clean decontaminated container.
4. Gently mix, avoiding agitation, the soil in the container to obtain a homogenous mixture.
5. Place the soil sample into clean laboratory provided sterile sample jar.
6. Place soil sample on ice for delivery to analytical laboratory following strict chain-of-custody procedures.

Sample CS-03.1 was collected using hand auger sampling technologies to horizontally and

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vertically delineate the western release extent. Steps 3 through 6 of the sampling collection method, above, was followed.

- Plate 10 shows soil samples and hydrovac windows locations.
- Table 1 is a summary of analytical results including sample type (composite/grab) and whether sampled horizontally or vertically meet Closure Criteria.
- Appendix C contains the Certificates of Analysis.

2 Remediation and Deferral Request

Per 19.15.29.12(4)(a)(c)(i) NMAC, a significant water course (intermittent stream) is located within 300-feet of the release and remediation is required to meet Closure Criteria listed in Table 1 of 19.15.29 NMAC as if groundwater is ≤ 50-feet below ground surface. Closure Criteria are defined as

- Chloride < 600 mg/kg
- TPH (GRO + DRO + MRO) < 100 mg/kg
- TPH (GRO + DRO) < 100 mg/kg
- BTEX < 50 mg/kg
- Benzene < 10 mg/kg

Remediation Plan	
Requesting a remediation plan approval with this submission?	Yes
Have the lateral and vertical extents of the contamination been fully delineated (<i>attach report demonstrating lateral and vertical extents</i>)?	Yes
Was this release entirely contained within a lined containment area?	No
Soil Contamination Sampling (Highest observable value for each in mg/kg)	
• Chloride	11200
• TPH (DRO+GRO+MRO)	<30
• GRO+DRO	<20
• BTEX	<0.3
• Benzene	<0.05
On what estimated date will the remediation commence	06/10/2024
On what date will (or did) the final sampling or liner inspection occur	08/02/2024
On what date will (or was) the remediation	08/02/2024

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completed	
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square ft) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
The remediation will (or is expected to) utilize the following processes to remediate/reduce contaminants:	
• Excavation and off-site disposal	
• Excavation and on-site disposal	
• Soil Vapor Extraction (in Situ)	
• Chemical processing (in Situ)	
• Biological processing (in Situ)	
• Physical processing (in Situ)	
• Groundwater abatement	
• Other (non-listed remedial process)	Deferral requested
• Other non-listed remedial process. Please specify	
Attach proposed remediation plan narrative, including anticipated timelines for beginning and completion of remediation	

The release extent has been vertically and horizontally delineated. CS-03 was vertically delineated with the adjacent soil sample location CS-03.1. The hydrovac window collapsed at CS-03 and CS-03.1 was safely hand augured to depth as the adjacent pipeline was previously sited and exact location of pipeline was known.

Ameredev respectfully asks NMOCD for deferral of impacted areas immediately around buried flowlines (production equipment). This area meets the criteria for deferral request as defined in 19.15.29.12.C.(2):

- 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.

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Ameredev Operating's policy is to limit excavation around buried flowlines whenever there is a risk to human health and the environment. As shown on Plate 11 and summarized below, buried pressurized flowlines are present throughout the release area. An unauthorized release from flowline failure (Figure 4) or line strike during remedial activities could cause human dismemberment or death. Placing field personnel within the subject area would cause an "imminent risk to human health" per 19.15.29.12.C.(2) NMAC.

Figure 4: Damaged flowline that was severed in half that caused subject release.



The operating flowline pressures and the presence of hydrogen sulfide (H_2S is immediately fatal when concentrations are over 500-1000 ppm) is summarized below.

- Produced Water Pipeline – HDPE SDR 11, 40 psi
- Petroleum Pipeline – HDPE SDR 11, 70 psi
- Natural Gas Pipeline – HDPE SDR 11, 190 psi
- 2nd Natural Gas Pipeline – steel, 1200 psi
- 3rd Natural Gas Pipeline – HDPE SDR 11, 100 psi
- 4” Flexline – Shawcore 301, 70 psi.
- The Ameredev field commonly detects over 200,000 ppm H_2S isolated within production equipment.

To safely remediate the release extent would require shutting down the flowlines for the duration of remedial activities estimated at 3 weeks. Keeping these flowlines operational is critical to daily operations and shutting down the flowlines would cause a monumental loss of production.

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Deferral Requests Only	
Requesting a deferral of the remediation closure due date with approval of this submission?	Yes
Have the lateral and vertical extents of the contamination been fully delineated?	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction?	Yes – multiple petroleum, produced water and gas flowlines, please refer to text
What is the remaining surface area (in sq ft) that will still need to be remediated if deferral is granted?	23435
What is the remaining volume (in cubic yards) what still needs to be remediated if the deferral is granted?	3471
Enter the facility ID on which this deferral should be granted	
Enter the well API on which this deferral should be granted	30-025-52608
Contamination does not cause an imminent risk to human health, the environment or groundwater.	Yes

Hydrovac windows were backfilled with clean non-waste containing material and the surface restored as a pipeline right-of-way.

The release area will be remediated, restored and reclaimed per 19.15.29.13.A-D when the pipelines are no longer in-use for oil and gas operations.

Please contact us with any questions.

Sincerely,
 Ameredev II, LLC



Andrew Parker
 Env. Scientist

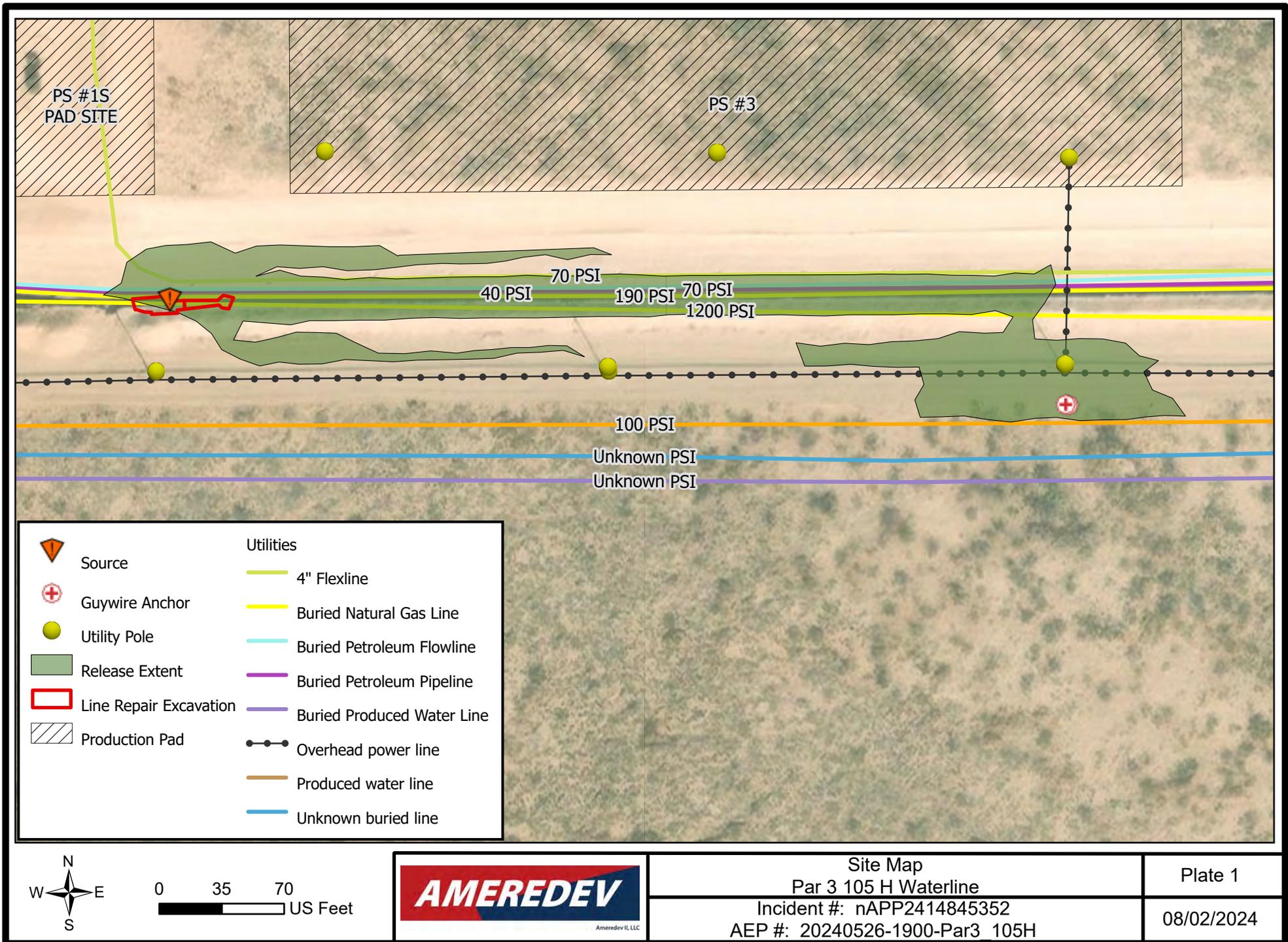
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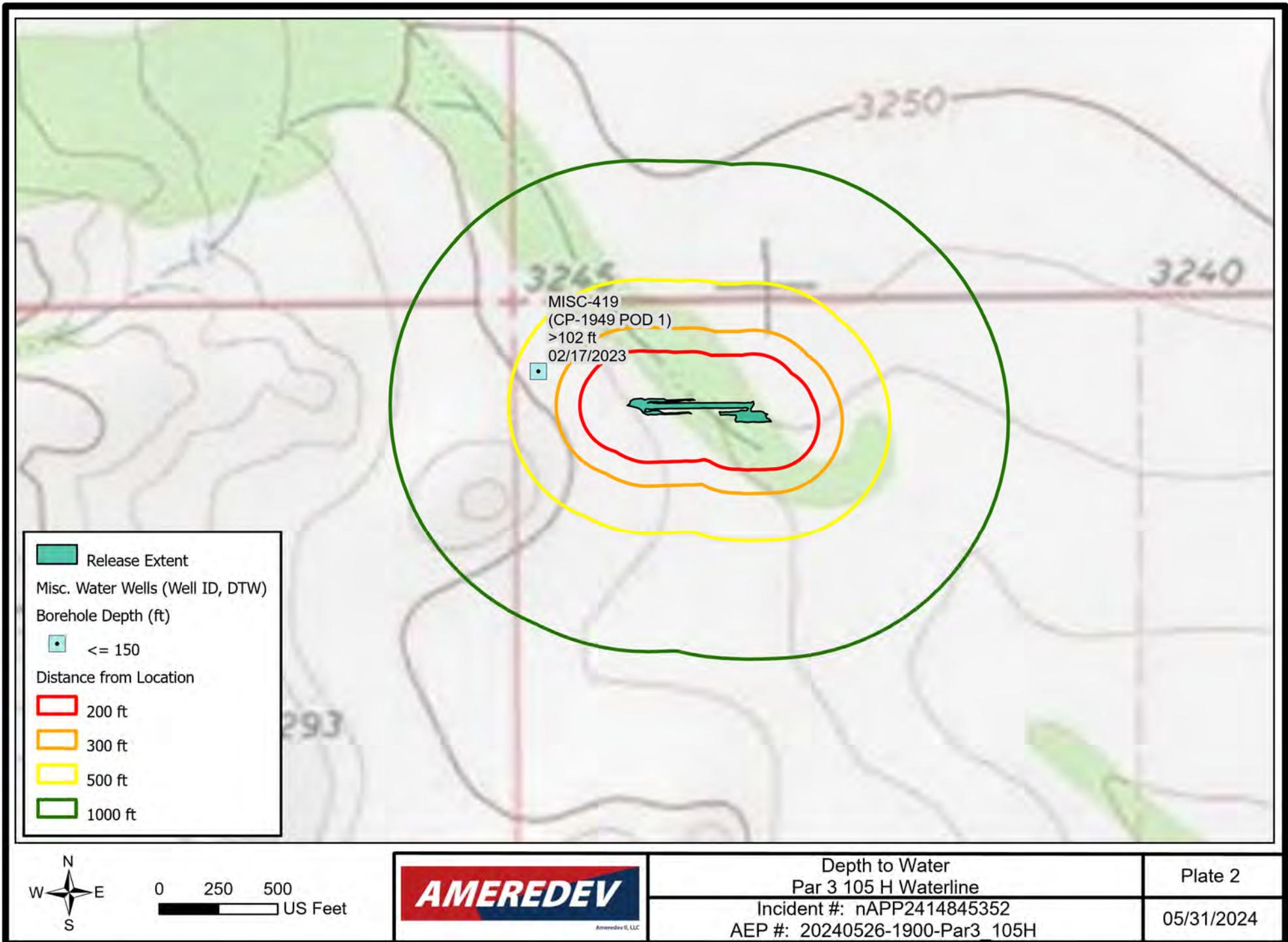


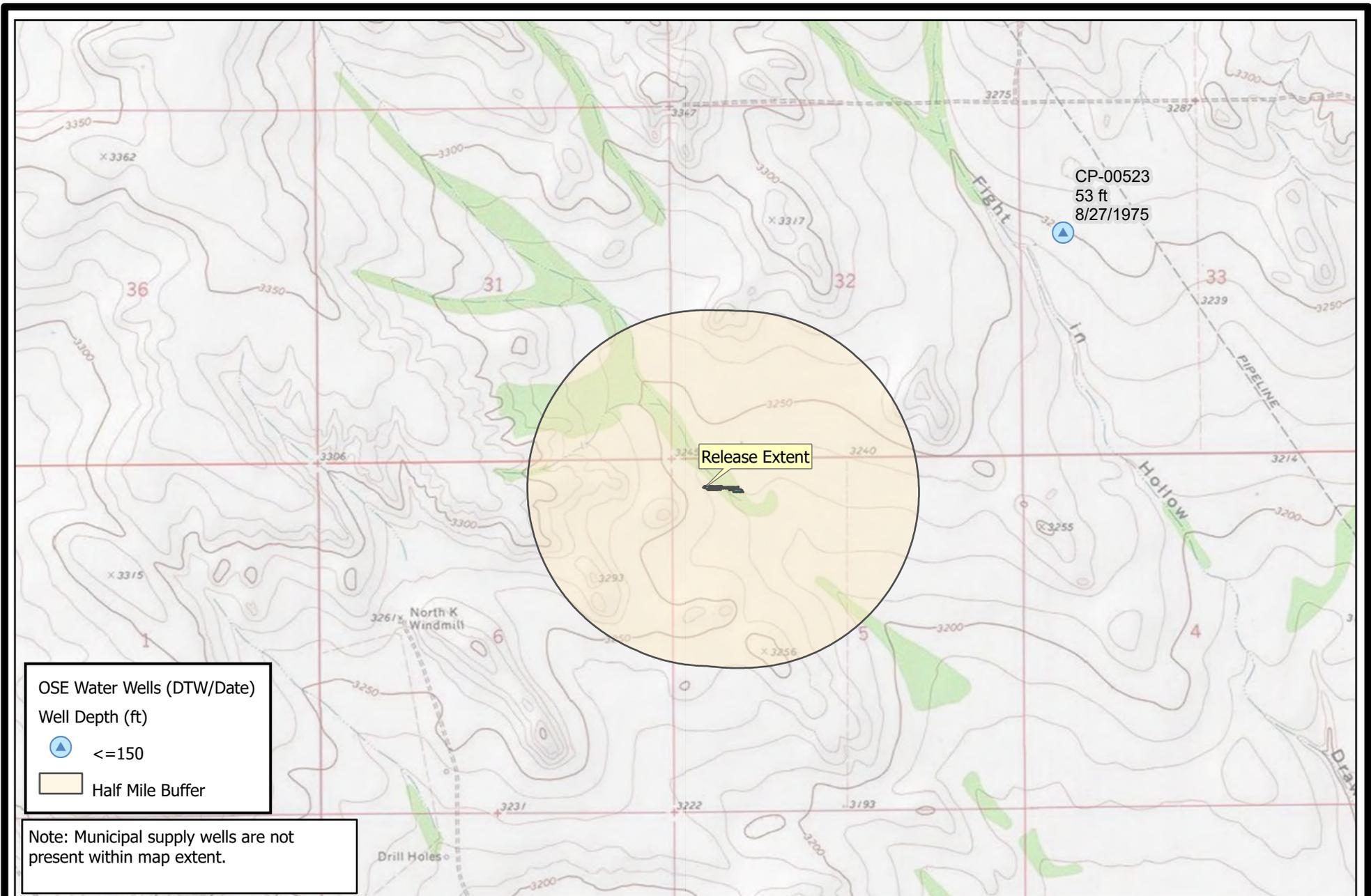
Plates



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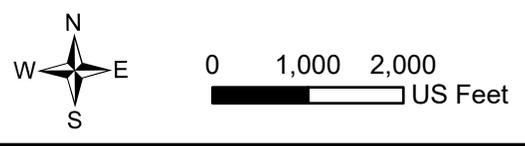






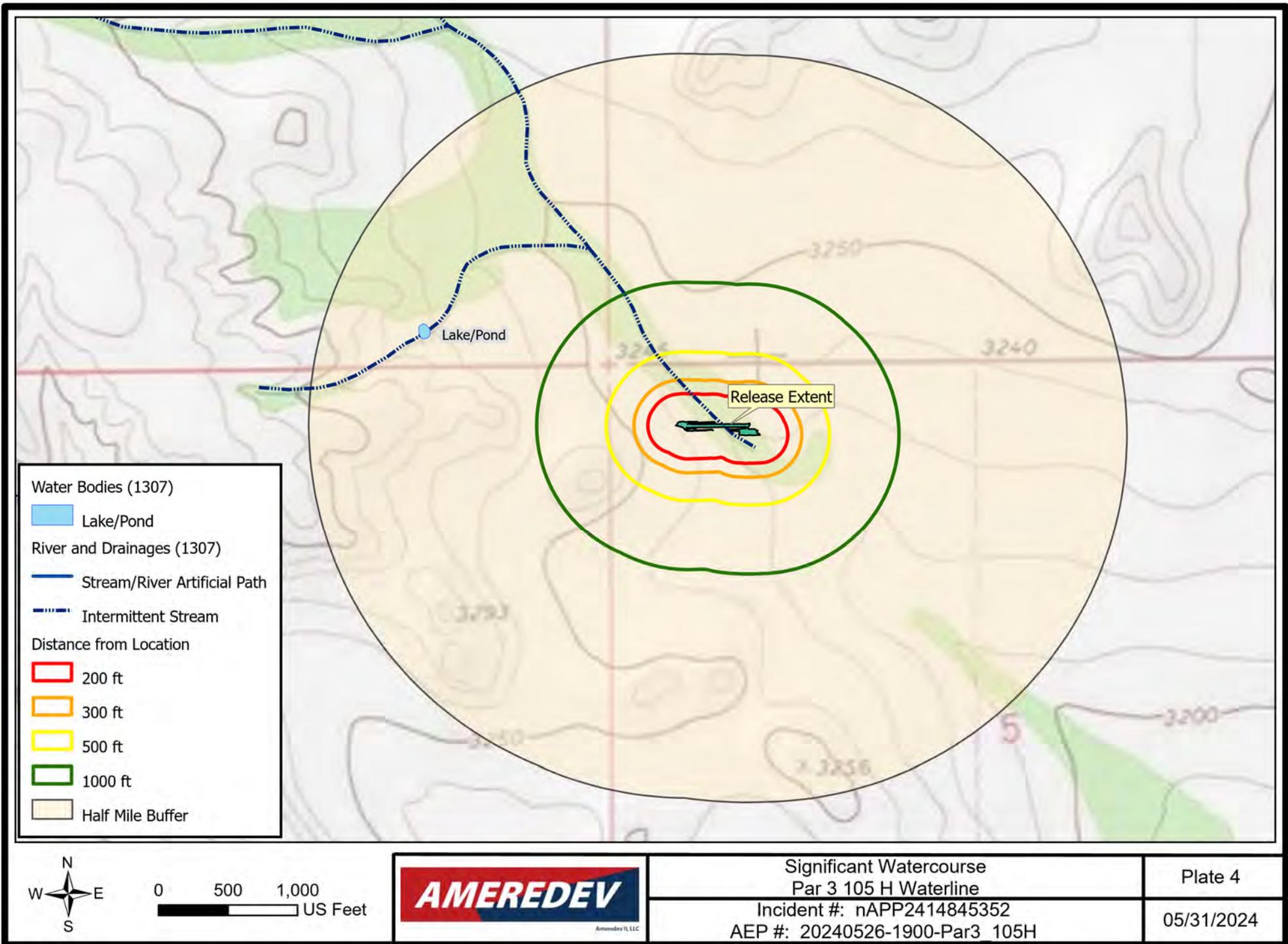
OSE Water Wells (DTW/Date)
 Well Depth (ft)
 ● ≤150
 ■ Half Mile Buffer

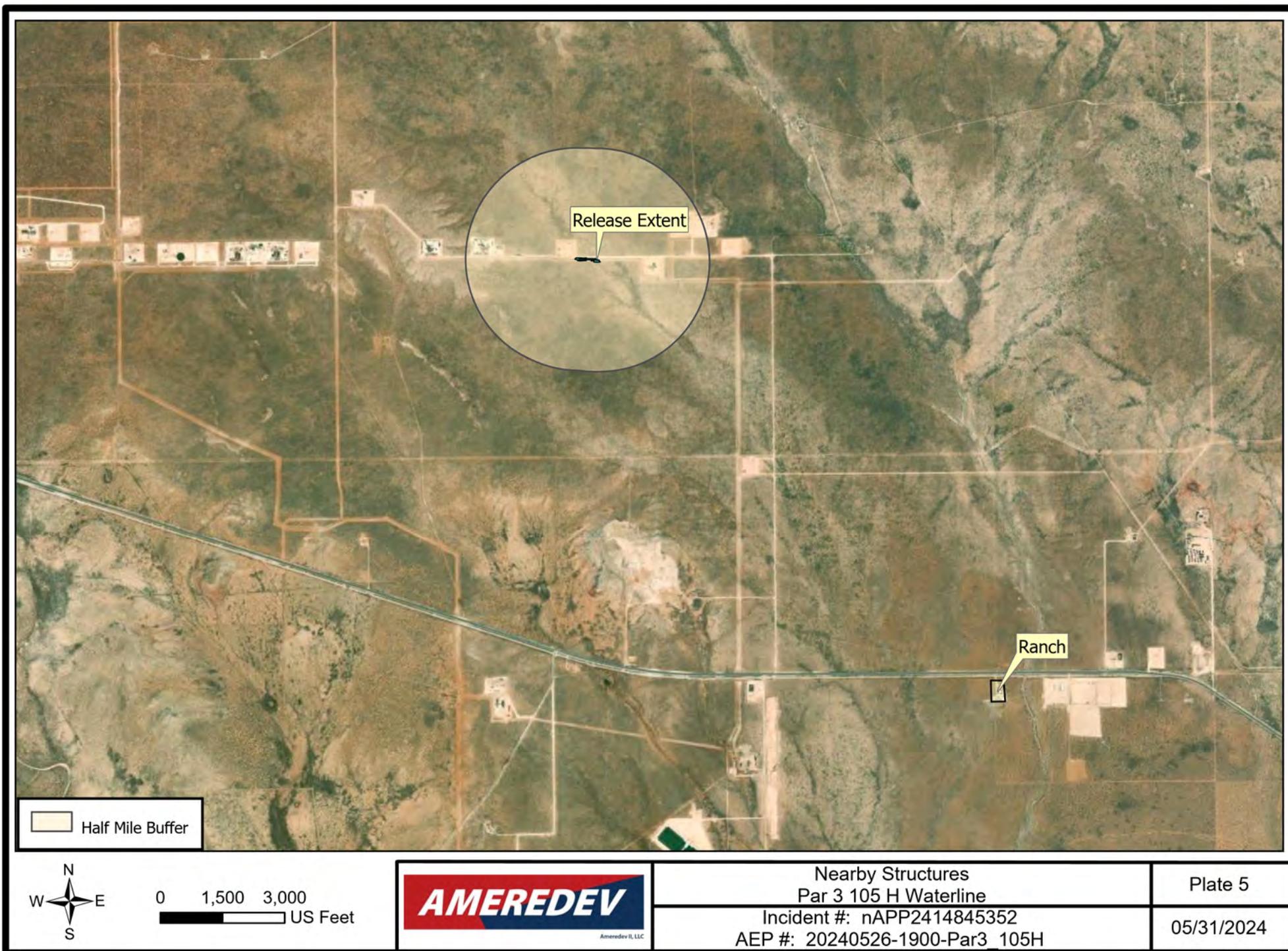
Note: Municipal supply wells are not present within map extent.



Wellhead Protection
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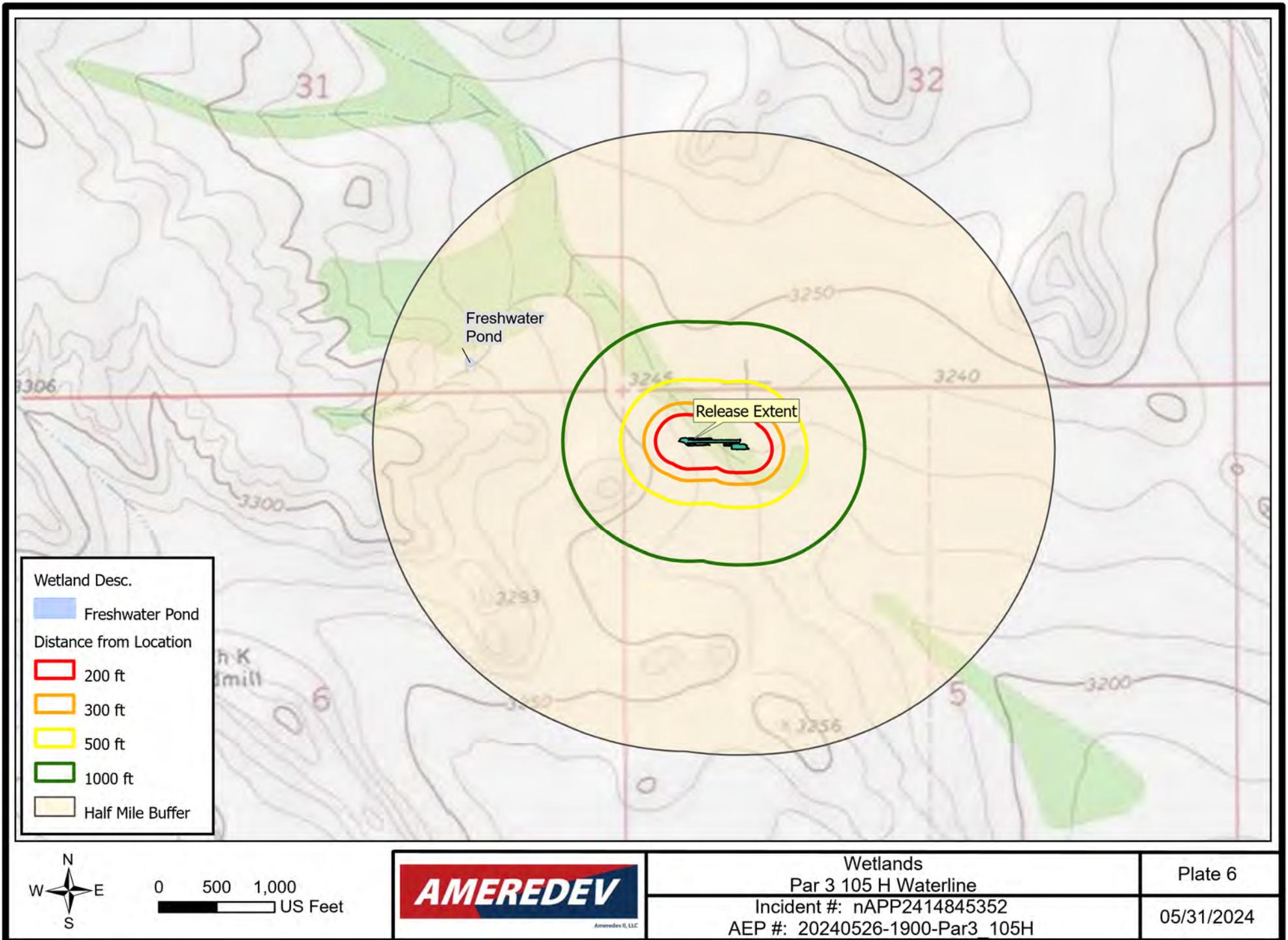
Plate 3
 05/31/2024

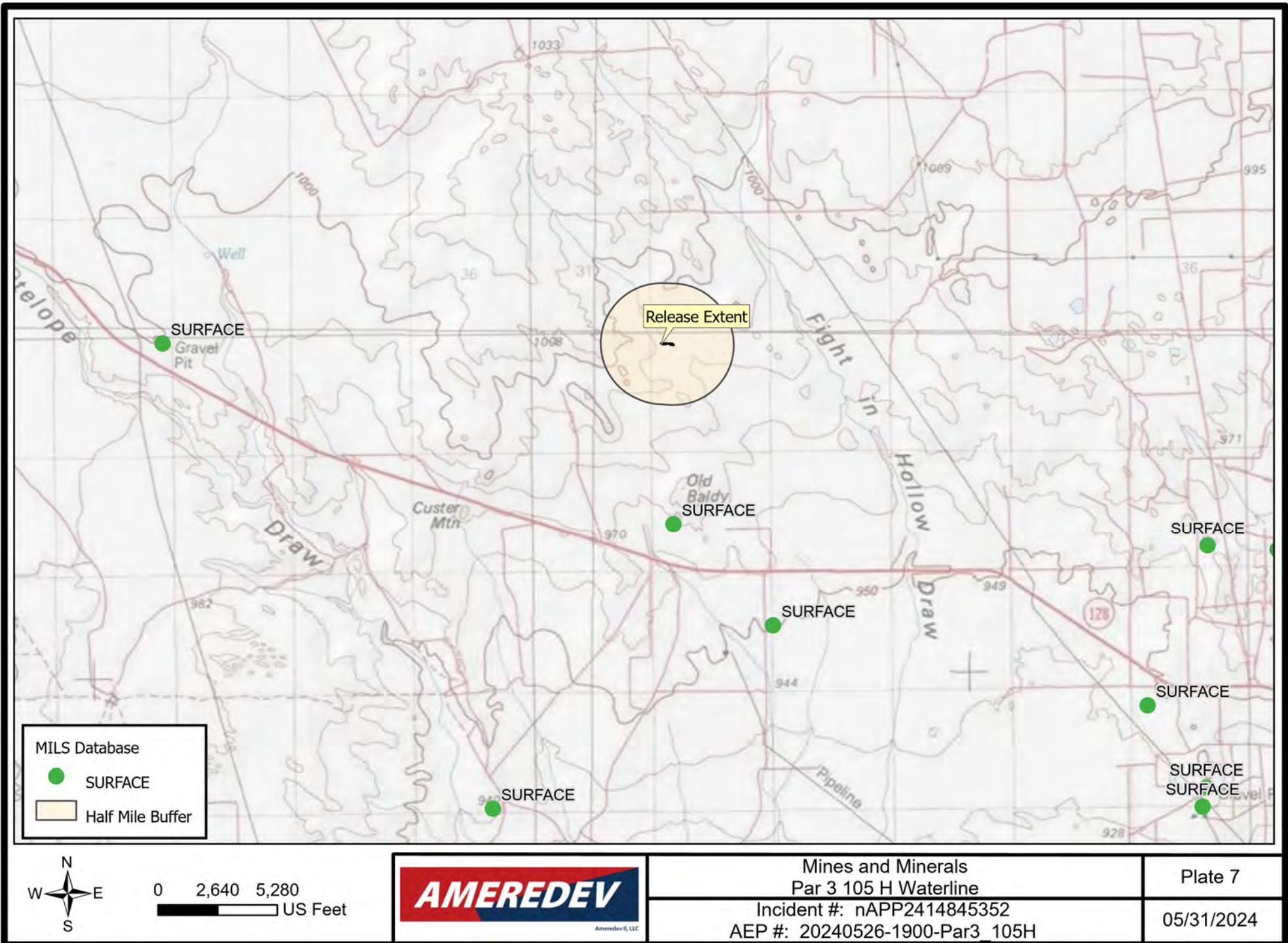


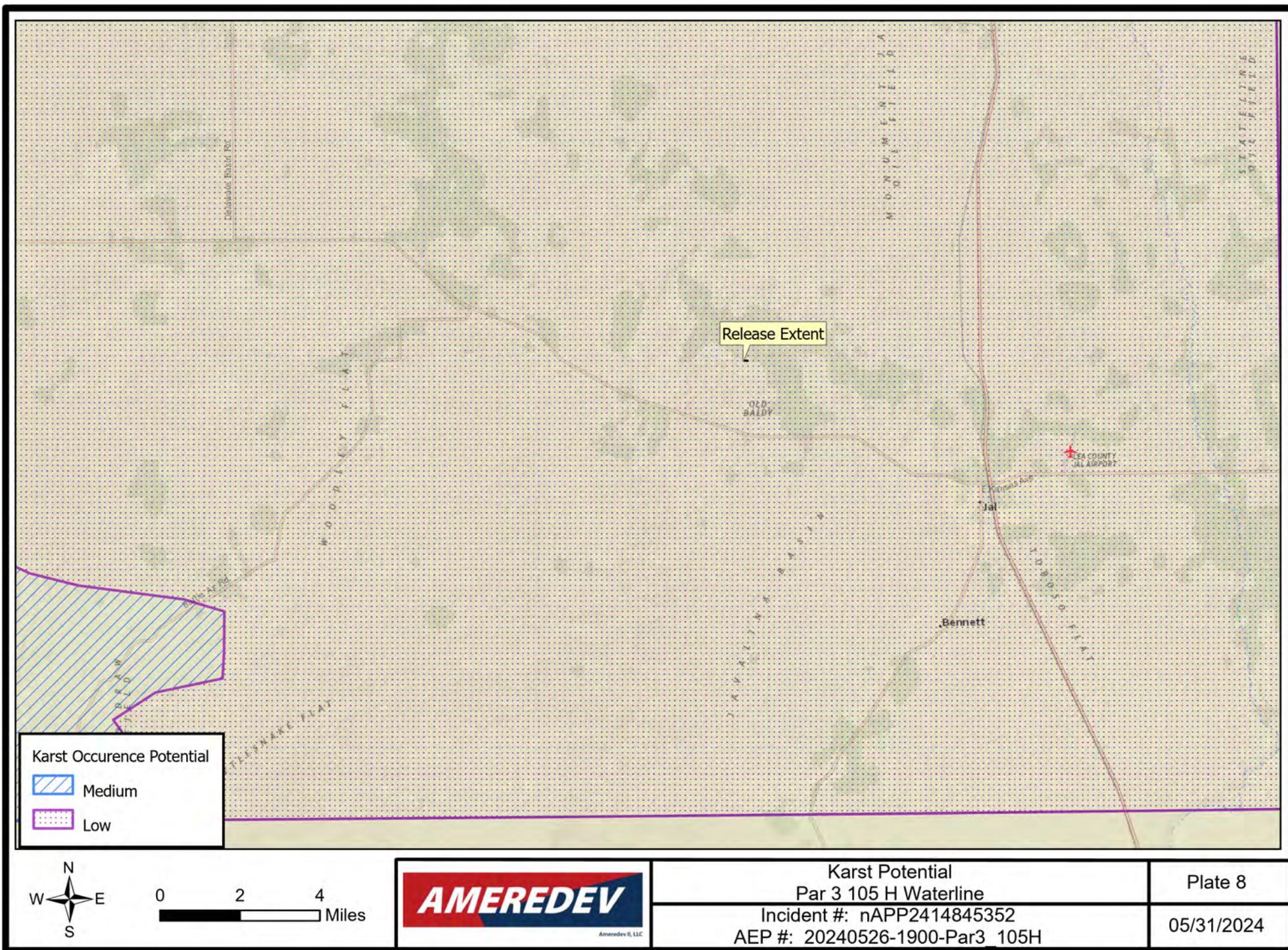


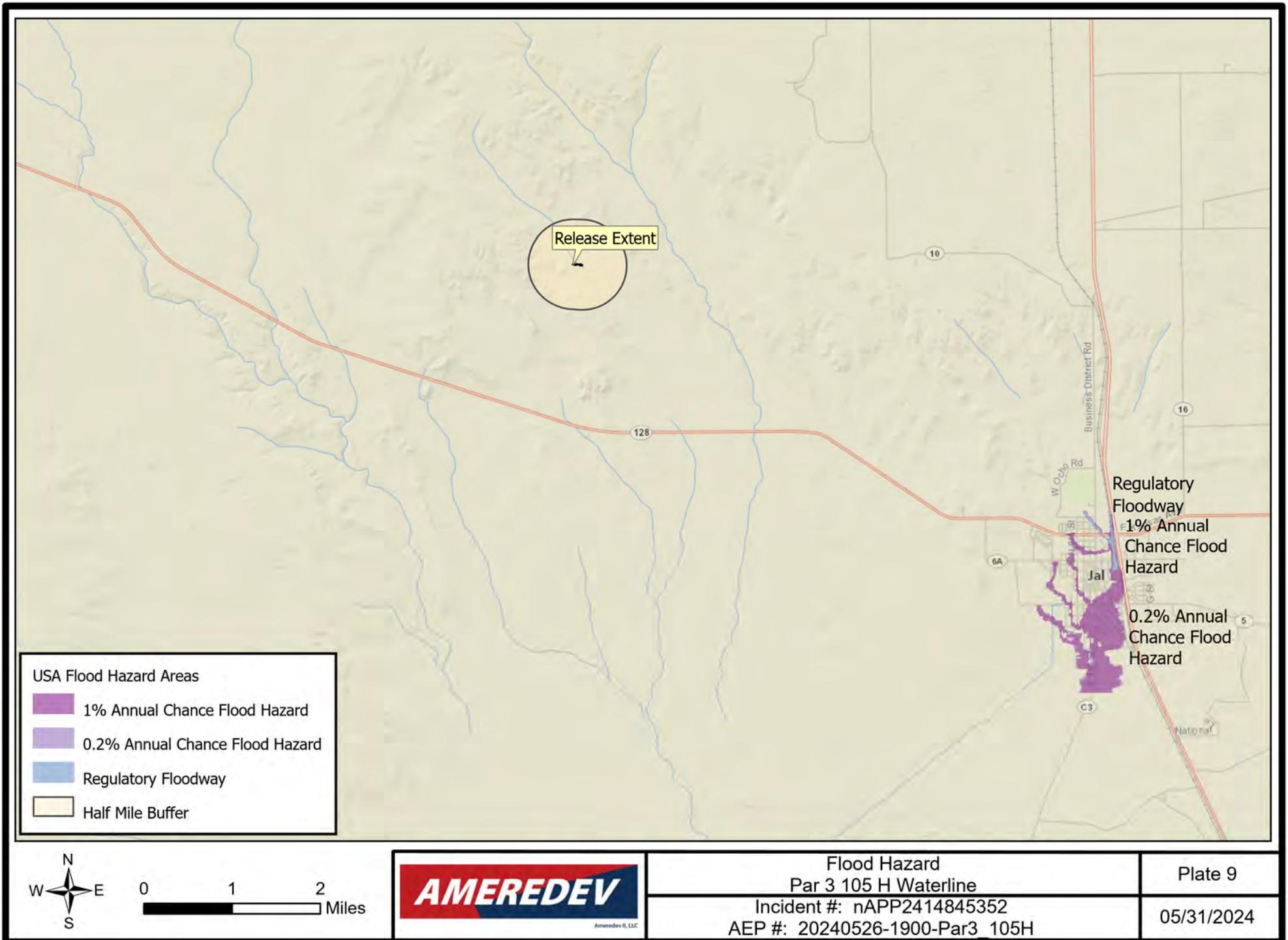
Nearby Structures
Par 3 105 H Waterline
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AEP #: 20240526-1900-Par3 105H

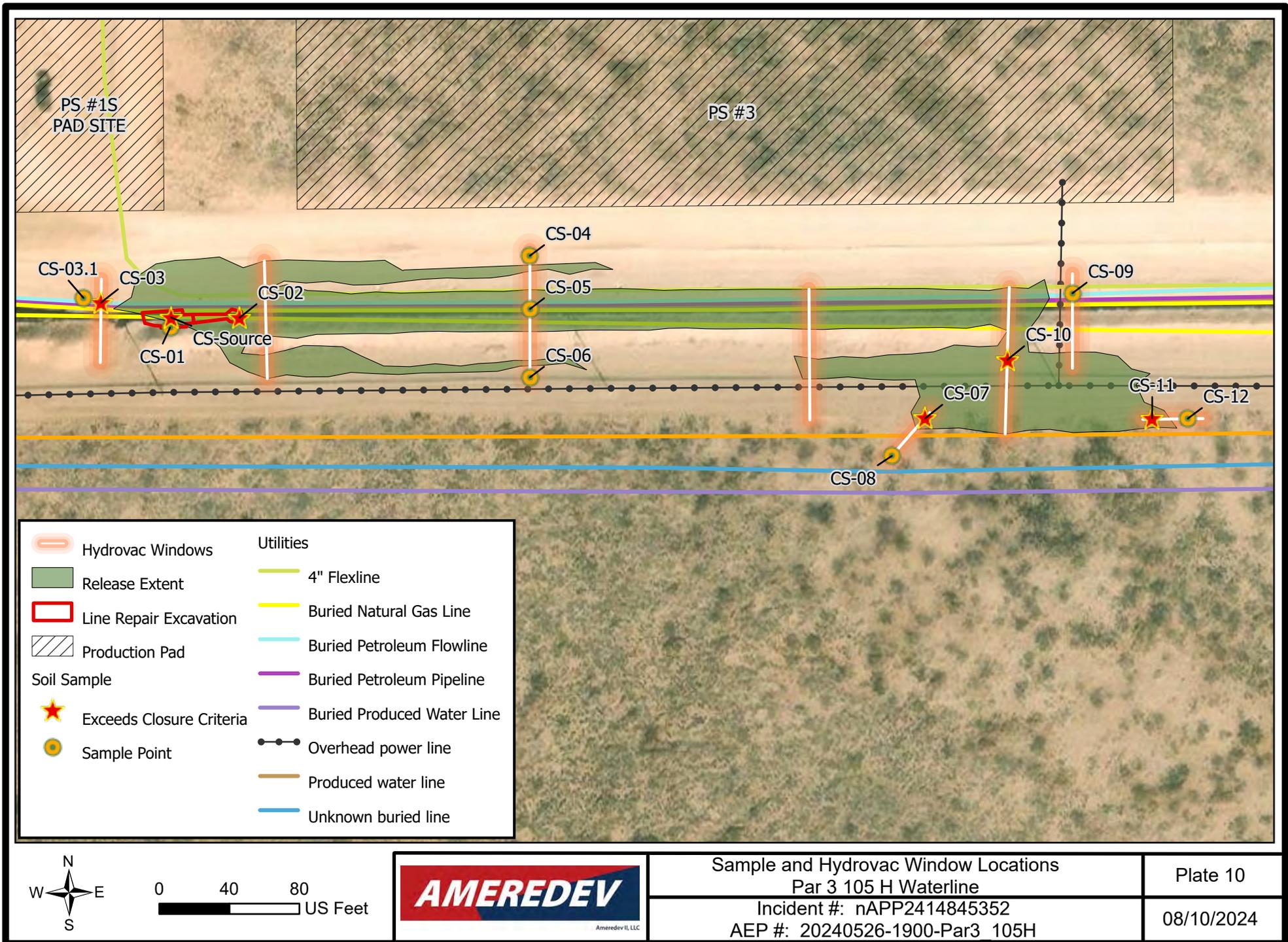
Plate 5
05/31/2024

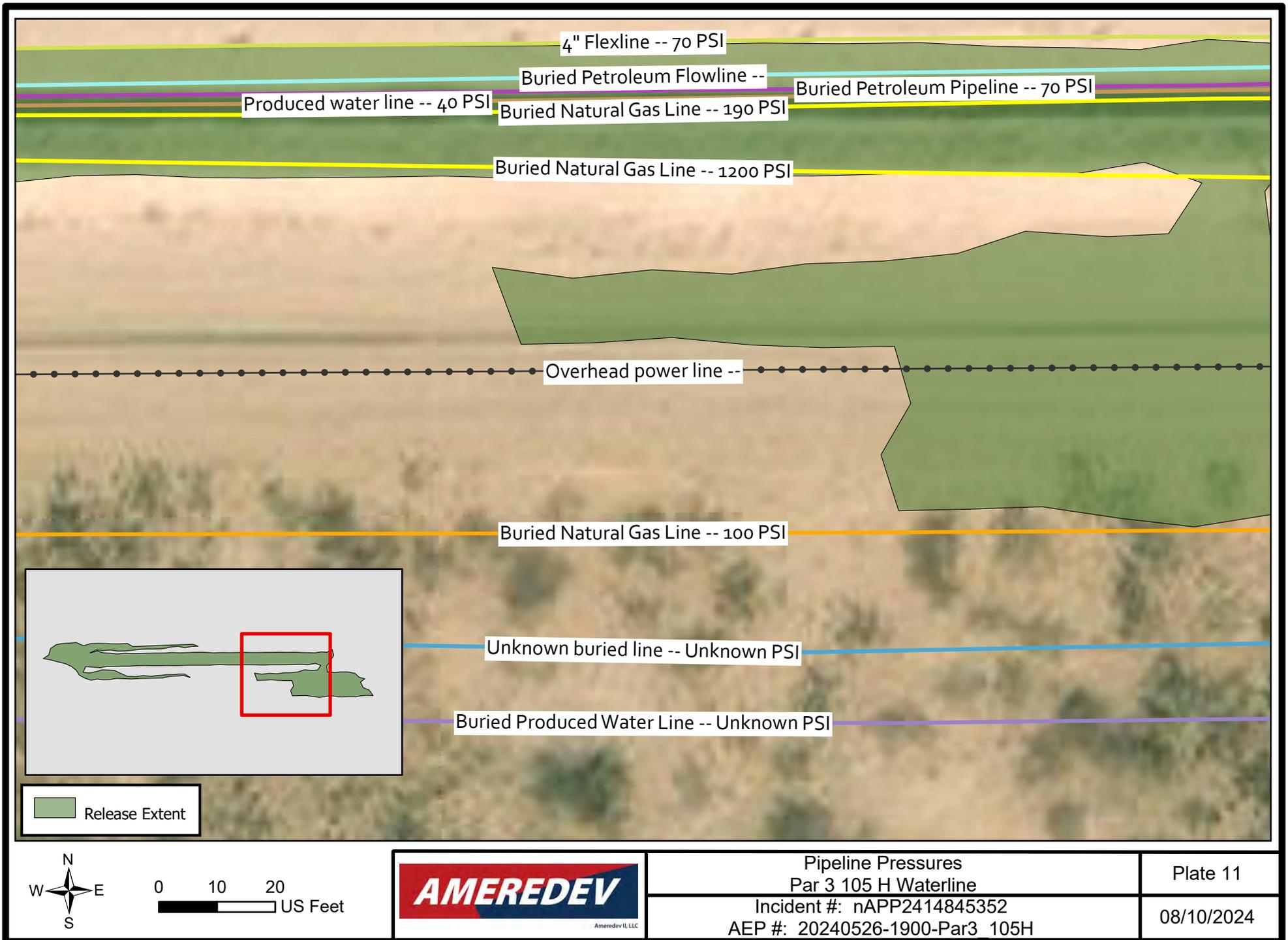












Tables



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Table A
Summary of Analytical

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Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Sample Type	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria						600	--	100	10	50			
CS Source	6/10/2024	5			Base Grab	608	<20	<30	<0.05	<0.3		Cardinal	H243313
CS-Source	6/10/2024	7			Hand Auger Grab	4000	<20	<30	<0.05	<0.3		Cardinal	H243411
CS-Source	6/10/2024	9			Hand Auger Grab	400	<20	<30	<0.05	<0.3	Vertical Delineation	Cardinal	H243411
CS-Source	6/10/2024	10									Not Analyzed	Cardinal	
CS-01	6/10/2024		0	2	Wall Composite	128	<20	<30	<0.05	<0.3	H & V Delineation	Cardinal	H243313
CS-01	6/10/2024		2	4	Wall Composite	48	<20	<30	<0.05	<0.3	H & V Delineation	Cardinal	H243313
CS-01	6/10/2024		4	5	Wall Composite	32	<20	<30	<0.05	<0.3	H & V Delineation	Cardinal	H243313
CS-02	6/10/2024		0	2	Wall Composite	11200	<20	<30	<0.05	<0.3		Cardinal	H243411
CS-02	6/10/2024		2	4	Wall Composite	912	<20	<30	<0.05	<0.3		Cardinal	H243411
CS-02	6/10/2024	4.5			Wall Base Grab	1340	<20	<30	<0.05	<0.3		Cardinal	H243411
CS-02	8/2/2024	5.5			Hand Auger Grab	320	<20	<30	<0.05	<0.3	Vertical Delineation	Cardinal	H244665
CS-02	8/2/2024	6.5			Hand Auger Grab	16	<20	<30	<0.05	<0.3	Vertical Delineation	Cardinal	H244665
CS-03	7/24/2024		0	2	Hydrovac Wall	16	<20	<30	<0.05	<0.3		Cardinal	H244408
CS-03	7/24/2024		2	4	Hydrovac Wall	16	<20	<30	<0.05	<0.3		Cardinal	H244408
CS-03	7/24/2024	4.5			Hydrovac Wall	1090	<20	<30	<0.05	<0.3		Cardinal	H244408
CS-03.1	8/2/2024	0			Hand Auger Grab	16	<20	<30	<0.05	<0.3	H & V Delineation	Cardinal	H244665
CS-03.1	8/2/2024	1			Hand Auger Grab	16	<20	<30	<0.05	<0.3	H & V Delineation	Cardinal	H244665
CS-03.1	8/2/2024	2			Hand Auger Grab	32	<20	<30	<0.05	<0.3	H & V Delineation	Cardinal	H244665
CS-03.1	8/2/2024	3			Hand Auger Grab	32	<20	<30	<0.05	<0.3	H & V Delineation	Cardinal	H244665
CS-03.1	8/2/2024	4			Hand Auger Grab	16	<20	<30	<0.05	<0.3	H & V Delineation	Cardinal	H244665
CS-03.1	8/2/2024	5			Hand Auger Grab	16	<20	<30	<0.05	<0.3	H & V Delineation	Cardinal	H244665
CS-04	7/24/2024		0	2	Hydrovac Wall	32	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-04	7/24/2024		2	4	Hydrovac Wall	48	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-04	7/24/2024	4.5			Hydrovac Wall	112	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-05	7/24/2024		0	2	Hydrovac Wall	288	<20	<30	<0.05	<0.3		Cardinal	H244408
CS-05	7/24/2024		2	4	Hydrovac Wall	240	<20	<30	<0.05	<0.3		Cardinal	H244408
CS-05	7/24/2024	4.5			Hydrovac Wall	48	<20	<30	<0.05	<0.3		Cardinal	H244408
CS-06	7/24/2024		0	2	Hydrovac Wall	48	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-06	7/24/2024		2	4	Hydrovac Wall	32	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-06	7/24/2024	4.5			Hydrovac Wall	48	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-07	7/24/2024		0	2	Hydrovac Wall	1600	<20	<30	<0.05	<0.3		Cardinal	H244408
CS-07	7/24/2024		2	4	Hydrovac Wall	16	<20	<30	<0.05	<0.3		Cardinal	H244408
CS-07	7/24/2024	4.5			Hydrovac Wall	672	<20	<30	<0.05	<0.3		Cardinal	H244408
CS-07	7/24/2024	5.5			Hydrovac Wall	32	<20	<30	<0.05	<0.3	Vertical Delineation	Cardinal	H244408
CS-08	7/24/2024		0	2	Hydrovac Wall	16	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-08	7/24/2024		2	4	Hydrovac Wall	32	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-08	7/24/2024	4.5			Hydrovac Wall	32	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-09	7/24/2024		0	2	Hydrovac Wall	16	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-09	7/24/2024		2	4	Hydrovac Wall	48	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-09	7/24/2024	4.5			Hydrovac Wall	64	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-10	7/24/2024		0	2	Hydrovac Wall	3560	<20	<30	<0.05	<0.3		Cardinal	H244408
CS-10	7/24/2024		2	4	Hydrovac Wall	64	<20	<30	<0.05	<0.3	Vertical Delineation	Cardinal	H244408
CS-10	7/24/2024	4.5			Hydrovac Wall	368	<20	<30	<0.05	<0.3	Vertical Delineation	Cardinal	H244408
CS-10	7/24/2024	5.5			Hydrovac Wall	240	<20	<30	<0.05	<0.3	Vertical Delineation	Cardinal	H244408

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Table A
Summary of Analytical

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Par 3 105 H Waterline

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Sample Type	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria						600	--	100	10	50			
CS-11	7/24/2024		0	2	Hydrovac Wall	4360	<20	<30	<0.05	<0.3		Cardinal	H244408
CS-11	7/24/2024		2	4	Hydrovac Wall	720	<20	<30	<0.05	<0.3		Cardinal	H244408
CS-11	7/24/2024	4.5			Hydrovac Wall	80	<20	<30	<0.05	<0.3	Vertical Delineation	Cardinal	H244408
CS-12	7/24/2024		0	2	Hydrovac Wall	16	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-12	7/24/2024		2	4	Hydrovac Wall	<16	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
CS-12	7/24/2024	4.5			Hydrovac Wall	32	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H244408
Backfill	8/9/2024				Backfill	128	<20	<30	<0.05	<0.3		Cardinal	H244834
Exceeds Closure Criteria													

Appendix A

Communications



Ameredev II, LLC

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Volume Calculations

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20240526-1900-par3_105H

Spill Dimensions to Volume of Release						From GIS	
Input	volume of affected soil	[feet^3]	23437.00			Sq. Ft	23437
Input	Porosity: typically is .35 to .40 for most soils	[-]	0.35			Depth (ft)	1
Input	Proportion of porosity filled with release fluid [0,1]	[-]	0.10			Cu. Ft	23437
Output	volume of fluid	[feet^3]	820.3				
		[gal]	6136.2				
		Barrels	146.1				

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 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

QUESTIONS

Action 349633

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 349633
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2414845352
Incident Name	NAPP2414845352 20240526-1900-PAR3_105H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	20240526-1900-par3_105H
Date Release Discovered	05/26/2024
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 150 BBL Recovered: 75 BBL Lost: 75 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 349633

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 349633
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Environmental Scientist Email: aparker@ameredev.com Date: 05/31/2024
--	--

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QUESTIONS, Page 3

Action 349633

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 349633
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Action 349633

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 349633
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	5/31/2024

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QUESTIONS

Action 351154

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 351154
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2414845352
Incident Name	NAPP2414845352 20240526-1900-PAR3_105H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	20240526-1900-par3_105H
Date Release Discovered	05/26/2024
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	23,435
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/10/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Contact: Jesus Palomeres 575-605-4276 Characterization sample data may be used for confirmation sample data
Please provide any information necessary for navigation to sampling site	32.1653845, -103.2929044

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CONDITIONS

Action 351154

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 351154
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
aparker1969	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/5/2024

From: OCDOnline@state.nm.us
To: [Andrew Parker](#)
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 365576
Date: Friday, July 19, 2024 7:51:05 AM

Caution: External (ocdonline@state.nm.us)

Spam Content [Details](#)

[Report This Email](#) [FAQ](#) [Protection by INKY](#)

To whom it may concern (c/o Andrew Parker for AMEREDEV OPERATING, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2414845352.

The sampling event is expected to take place:

When: 07/24/2024 @ 08:00

Where: D-05-25S-36E 0 FNL 0 FEL (32.1653807,-103.293879)

Additional Information: Jesus Palomeres 575-605-4276

Additional Instructions: GPS: 32.165323°N, 103.292889°W

At the intersection of Highway 128 and Highway 18 head West, continue West for 5.6 miles. Turn North onto the lease road, head North for 1.9 miles until reaching a fork on the road. Head West for 2.8 miles to arrive at the location.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 368533

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 368533
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2414845352
Incident Name	NAPP2414845352 20240526-1900-PAR3_105H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	20240526-1900-par3_105H
Date Release Discovered	05/26/2024
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	6,000
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/02/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Jesus Palomeres 575-605-4276
Please provide any information necessary for navigation to sampling site	GPS: 32.165323°N, 103.292889°W At the intersection of Highway 128 and Highway 18 head West, continue West for 5.6 miles. Turn North onto the lease road, head North for 1.9 miles until reaching a fork on the road. Head West for 2.8 miles to arrive at the location.

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CONDITIONS
 Action 368533

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 368533
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
aparker1969	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/30/2024

Appendix B

Well Logs



Ameredev II, LLC



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

March 3, 2023

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record CP- 1949 POD-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, CP- 1949 POD-1

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink that reads "Lucas Middleton". The signature is written in a cursive style.

Lucas Middleton

Enclosures: as noted above

2023/03/03 11:12:32 AM



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1949			
	WELL OWNER NAME(S) Ameredev Operating, LLC				PHONE (OPTIONAL) 737-300-4700			
	WELL OWNER MAILING ADDRESS 2901 Via Fortuna Suite 600				CITY Austin	STATE TX	ZIP 78746	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 9	56.72	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE	103	17	42.72	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW L4 Sec.5 T25S R36E NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 2/17/23	DRILLING ENDED 2/17/23	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) ±102	DEPTH WATER FIRST ENCOUNTERED (FT) n/a			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 2/20/23		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 102		±6.25"	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-1949 POD-1
Well owner: Ameredev Operating, LLC Phone No.: 737-300-4700
Mailing address: 2901 Via Fortuna Suite 600
City: Austin State: Texas Zip code: 78746

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Cameron Pruitt
- 4) Date well plugging began: 5/20/23 Date well plugging concluded: 5/20/23
- 5) GPS Well Location: Latitude: 32 deg, 9 min, 56.72 sec
Longitude: 103 deg, 17 min, 42.72 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 102 ft below ground level (bgl),
by the following manner: water level probe
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 1/18/23
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

15-WR-20 Well Record and Log-packet-orsign

Final Audit Report

2023-03-07

Created:	2023-03-07
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAsbdOUFeXZFKzOqbnr7TDtrW1ynkEgmh8

"15-WR-20 Well Record and Log-packet-orsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2023-03-07 - 8:40:37 PM GMT- IP address: 64.17.82.146
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2023-03-07 - 8:41:15 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2023-03-07 - 8:59:30 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2023-03-07 - 9:02:55 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2023-03-07 - 9:02:55 PM GMT

ESC OFF MAR 7 2023 9:02

Appendix C

Certificates of Analysis



Ameredev II, LLC



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

June 14, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: PAR THREE 105 H WATERLINE

Enclosed are the results of analyses for samples received by the laboratory on 06/10/24 15:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 01 0-2 FT (H243313-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2024	ND	1.86	93.1	2.00	0.662	
Toluene*	<0.050	0.050	06/13/2024	ND	1.96	98.0	2.00	5.51	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.00	99.8	2.00	6.74	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.96	99.3	6.00	6.13	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/13/2024	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	06/13/2024	ND	204	102	200	6.92	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	190	94.9	200	7.12	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 01 2-4 FT (H243313-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2024	ND	1.86	93.1	2.00	0.662	
Toluene*	<0.050	0.050	06/13/2024	ND	1.96	98.0	2.00	5.51	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.00	99.8	2.00	6.74	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.96	99.3	6.00	6.13	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/13/2024	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	06/13/2024	ND	204	102	200	6.92	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	190	94.9	200	7.12	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 01 4-5 FT (H243313-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	4.72		
Toluene*	<0.050	0.050	06/13/2024	ND	2.09	104	2.00	4.13		
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.05	103	2.00	2.92		
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.01	100	6.00	2.72		
Total BTEX	<0.300	0.300	06/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/13/2024	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	06/13/2024	ND	204	102	200	6.92		
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	190	94.9	200	7.12		
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND						

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - SOURCE 5 FT (H243313-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	4.72	
Toluene*	<0.050	0.050	06/13/2024	ND	2.09	104	2.00	4.13	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.05	103	2.00	2.92	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.01	100	6.00	2.72	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	06/13/2024	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	06/12/2024	ND	199	99.3	200	6.74	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	201	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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June 21, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: PAR THREE 105 H WATERLINE

Enclosed are the results of analyses for samples received by the laboratory on 06/12/24 14:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



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

Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR THREE 105 H WATERLINE Project Number: 20240526-1900-PAR3-105H Project Manager: ANDREW PARKER Fax To:	Reported: 21-Jun-24 15:36
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - SOURCE 7'	H243411-01	Soil	10-Jun-24 16:40	12-Jun-24 14:13
CS - SOURCE 9'	H243411-02	Soil	10-Jun-24 16:55	12-Jun-24 14:13
CS - 02 0-2'	H243411-03	Soil	10-Jun-24 17:02	12-Jun-24 14:13
CS - 02 2-4'	H243411-04	Soil	10-Jun-24 17:07	12-Jun-24 14:13
CS - 02 4.5'	H243411-06	Soil	10-Jun-24 17:32	12-Jun-24 14:13

06/21/24 - Client added analysis to sample -06 (see COC). This is the revised report and will replace the one sent on 06/18/24.

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR THREE 105 H WATERLINE Project Number: 20240526-1900-PAR3-105H Project Manager: ANDREW PARKER Fax To:	Reported: 21-Jun-24 15:36
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**CS - SOURCE 7'
H243411-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	4000		16.0	mg/kg	4	4061410	HM	14-Jun-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4061311	JH	14-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.8 %		71.5-134	4061311	JH	14-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4061314	MS	13-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4061314	MS	13-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4061314	MS	13-Jun-24	8015B	

Surrogate: 1-Chlorooctane			98.1 %		48.2-134	4061314	MS	13-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			98.2 %		49.1-148	4061314	MS	13-Jun-24	8015B	
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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR THREE 105 H WATERLINE Project Number: 20240526-1900-PAR3-105H Project Manager: ANDREW PARKER Fax To:	Reported: 21-Jun-24 15:36
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**CS - SOURCE 9'
H243411-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	400		16.0	mg/kg	4	4061410	HM	14-Jun-24	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4061311	JH	14-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.9 %		71.5-134	4061311	JH	14-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4061314	MS	13-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4061314	MS	13-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4061314	MS	13-Jun-24	8015B	

Surrogate: 1-Chlorooctane			96.6 %		48.2-134	4061314	MS	13-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			95.6 %		49.1-148	4061314	MS	13-Jun-24	8015B	
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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR THREE 105 H WATERLINE Project Number: 20240526-1900-PAR3-105H Project Manager: ANDREW PARKER Fax To:	Reported: 21-Jun-24 15:36
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CS - 02 0-2'
H243411-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	11200		16.0	mg/kg	4	4061410	HM	14-Jun-24	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4061311	JH	14-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.0 %	71.5-134		4061311	JH	14-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4061314	MS	13-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4061314	MS	13-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4061314	MS	13-Jun-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.4 %	48.2-134		4061314	MS	13-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.3 %	49.1-148		4061314	MS	13-Jun-24	8015B	
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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR THREE 105 H WATERLINE Project Number: 20240526-1900-PAR3-105H Project Manager: ANDREW PARKER Fax To:	Reported: 21-Jun-24 15:36
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CS - 02 2-4'
H243411-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	912		16.0	mg/kg	4	4061410	HM	14-Jun-24	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4061311	JH	14-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4061311	JH	14-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.1 %		71.5-134	4061311	JH	14-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4061314	MS	13-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4061314	MS	13-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4061314	MS	13-Jun-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.5 %		48.2-134	4061314	MS	13-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.9 %		49.1-148	4061314	MS	13-Jun-24	8015B	
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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR THREE 105 H WATERLINE Project Number: 20240526-1900-PAR3-105H Project Manager: ANDREW PARKER Fax To:	Reported: 21-Jun-24 15:36
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CS - 02 4.5'
H243411-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1340		16.0	mg/kg	4	4061954	AC	19-Jun-24	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4061901	JH	19-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4061901	JH	19-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4061901	JH	19-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4061901	JH	19-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4061901	JH	19-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		4061901	JH	19-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4061906	MS	19-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4061906	MS	19-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4061906	MS	19-Jun-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.0 %	48.2-134		4061906	MS	19-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %	49.1-148		4061906	MS	19-Jun-24	8015B	
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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR THREE 105 H WATERLINE Project Number: 20240526-1900-PAR3-105H Project Manager: ANDREW PARKER Fax To:	Reported: 21-Jun-24 15:36
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4061410 - 1:4 DI Water										
Blank (4061410-BLK1) Prepared & Analyzed: 14-Jun-24										
Chloride	ND	16.0	mg/kg							
LCS (4061410-BS1) Prepared & Analyzed: 14-Jun-24										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4061410-BSD1) Prepared & Analyzed: 14-Jun-24										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 4061954 - 1:4 DI Water										
Blank (4061954-BLK1) Prepared & Analyzed: 19-Jun-24										
Chloride	ND	16.0	mg/kg							
LCS (4061954-BS1) Prepared & Analyzed: 19-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (4061954-BSD1) Prepared & Analyzed: 19-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR THREE 105 H WATERLINE Project Number: 20240526-1900-PAR3-105H Project Manager: ANDREW PARKER Fax To:	Reported: 21-Jun-24 15:36
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4061311 - Volatiles

Blank (4061311-BLK1)

Prepared: 13-Jun-24 Analyzed: 14-Jun-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		98.9	71.5-134			

LCS (4061311-BS1)

Prepared: 13-Jun-24 Analyzed: 14-Jun-24

Benzene	1.97	0.050	mg/kg	2.00		98.5	82.8-130			
Toluene	1.96	0.050	mg/kg	2.00		97.9	86-128			
Ethylbenzene	1.86	0.050	mg/kg	2.00		93.1	85.9-128			
m,p-Xylene	3.71	0.100	mg/kg	4.00		92.7	89-129			
o-Xylene	2.06	0.050	mg/kg	2.00		103	86.1-125			
Total Xylenes	5.76	0.150	mg/kg	6.00		96.0	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0483		mg/kg	0.0500		96.6	71.5-134			

LCS Dup (4061311-BSD1)

Prepared: 13-Jun-24 Analyzed: 14-Jun-24

Benzene	1.91	0.050	mg/kg	2.00		95.3	82.8-130	3.31	15.8	
Toluene	1.89	0.050	mg/kg	2.00		94.5	86-128	3.53	15.9	
Ethylbenzene	1.80	0.050	mg/kg	2.00		90.2	85.9-128	3.18	16	
m,p-Xylene	3.59	0.100	mg/kg	4.00		89.8	89-129	3.09	16.2	
o-Xylene	2.00	0.050	mg/kg	2.00		99.9	86.1-125	2.78	16.7	
Total Xylenes	5.59	0.150	mg/kg	6.00		93.2	88.2-128	2.98	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0485		mg/kg	0.0500		97.0	71.5-134			

Batch 4061901 - Volatiles

Blank (4061901-BLK1)

Prepared & Analyzed: 19-Jun-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR THREE 105 H WATERLINE Project Number: 20240526-1900-PAR3-105H Project Manager: ANDREW PARKER Fax To:	Reported: 21-Jun-24 15:36
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4061901 - Volatiles

Blank (4061901-BLK1)

Prepared & Analyzed: 19-Jun-24

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0535		mg/kg	0.0500		107	71.5-134			

LCS (4061901-BS1)

Prepared & Analyzed: 19-Jun-24

Benzene	2.24	0.050	mg/kg	2.00		112	82.8-130			
Toluene	2.14	0.050	mg/kg	2.00		107	86-128			
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	85.9-128			
m,p-Xylene	4.47	0.100	mg/kg	4.00		112	89-129			
o-Xylene	2.24	0.050	mg/kg	2.00		112	86.1-125			
Total Xylenes	6.70	0.150	mg/kg	6.00		112	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0484		mg/kg	0.0500		96.9	71.5-134			

LCS Dup (4061901-BSD1)

Prepared & Analyzed: 19-Jun-24

Benzene	2.31	0.050	mg/kg	2.00		115	82.8-130	2.85	15.8	
Toluene	2.27	0.050	mg/kg	2.00		113	86-128	5.98	15.9	
Ethylbenzene	2.24	0.050	mg/kg	2.00		112	85.9-128	5.53	16	
m,p-Xylene	4.73	0.100	mg/kg	4.00		118	89-129	5.79	16.2	
o-Xylene	2.36	0.050	mg/kg	2.00		118	86.1-125	5.44	16.7	
Total Xylenes	7.09	0.150	mg/kg	6.00		118	88.2-128	5.67	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0496		mg/kg	0.0500		99.2	71.5-134			

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR THREE 105 H WATERLINE Project Number: 20240526-1900-PAR3-105H Project Manager: ANDREW PARKER Fax To:	Reported: 21-Jun-24 15:36
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4061314 - General Prep - Organics

Blank (4061314-BLK1)		Prepared & Analyzed: 13-Jun-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	48.6		mg/kg	50.0		97.2	48.2-134			
Surrogate: 1-Chlorooctadecane	47.3		mg/kg	50.0		94.5	49.1-148			

LCS (4061314-BS1)		Prepared & Analyzed: 13-Jun-24								
GRO C6-C10	196	10.0	mg/kg	200		98.1	66.4-123			
DRO >C10-C28	220	10.0	mg/kg	200		110	66.5-118			
Total TPH C6-C28	416	10.0	mg/kg	400		104	77.6-123			
Surrogate: 1-Chlorooctane	48.5		mg/kg	50.0		97.1	48.2-134			
Surrogate: 1-Chlorooctadecane	47.5		mg/kg	50.0		95.0	49.1-148			

LCS Dup (4061314-BSD1)		Prepared & Analyzed: 13-Jun-24								
GRO C6-C10	181	10.0	mg/kg	200		90.7	66.4-123	7.80	17.7	
DRO >C10-C28	205	10.0	mg/kg	200		102	66.5-118	7.19	21	
Total TPH C6-C28	386	10.0	mg/kg	400		96.5	77.6-123	7.48	18.5	
Surrogate: 1-Chlorooctane	48.9		mg/kg	50.0		97.8	48.2-134			
Surrogate: 1-Chlorooctadecane	47.9		mg/kg	50.0		95.8	49.1-148			

Batch 4061906 - General Prep - Organics

Blank (4061906-BLK1)		Prepared & Analyzed: 19-Jun-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	59.7		mg/kg	50.0		119	48.2-134			
Surrogate: 1-Chlorooctadecane	61.0		mg/kg	50.0		122	49.1-148			

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR THREE 105 H WATERLINE Project Number: 20240526-1900-PAR3-105H Project Manager: ANDREW PARKER Fax To:	Reported: 21-Jun-24 15:36
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4061906 - General Prep - Organics

LCS (4061906-BS1)

Prepared & Analyzed: 19-Jun-24

GRO C6-C10	198	10.0	mg/kg	200		99.1	66.4-123			
DRO >C10-C28	182	10.0	mg/kg	200		90.8	66.5-118			
Total TPH C6-C28	380	10.0	mg/kg	400		95.0	77.6-123			
Surrogate: 1-Chlorooctane	60.9		mg/kg	50.0		122	48.2-134			
Surrogate: 1-Chlorooctadecane	65.8		mg/kg	50.0		132	49.1-148			

LCS Dup (4061906-BSD1)

Prepared & Analyzed: 19-Jun-24

GRO C6-C10	202	10.0	mg/kg	200		101	66.4-123	2.10	17.7	
DRO >C10-C28	185	10.0	mg/kg	200		92.6	66.5-118	1.96	21	
Total TPH C6-C28	388	10.0	mg/kg	400		96.9	77.6-123	2.04	18.5	
Surrogate: 1-Chlorooctane	62.1		mg/kg	50.0		124	48.2-134			
Surrogate: 1-Chlorooctadecane	65.9		mg/kg	50.0		132	49.1-148			

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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 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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <i>Amerceder</i>		BILL TO		ANALYSIS REQUEST	
Project Manager: <i>Andrew Parker</i>		P.O. #: <i>20240526-Par3-1054</i>		<i>Hold Remed - Cl. Box, TPH</i> <i>TPH</i> <i>10/18/24</i>	
Address: <i>On-File</i>		Company: <i>Amerceder</i>			
City:	State:	Zip:	Attn: <i>aparker@amerceder.com</i>		
Phone #:	Fax #:	Address:	City:		
Project #:	Project Owner: <i>Amerceder LLC</i>	State:	Zip:		
Project Name: <i>20240526-Par3-1054</i>		Phone #:			
Project Location: <i>Par Three 1054</i>		Fax #:			
Sampler Name: <i>Christopher Turner</i>					

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	Chloride	TPH (GIROTDROT MPO)	BTEX (BENZENE)	Hold	<i>Hold Remed - Cl. Box, TPH</i>
GROUNDWATER	WASTEWATER				SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER									
		<i>H243411</i>	<i>CS-Source</i>	<i>7 Ft</i>	<i>G</i>			<i>X</i>					<i>06/10</i>	<i>16:40</i>	<i>X</i>	<i>X</i>				
			<i>CS-Source</i>	<i>9 Ft</i>	<i>G</i>									<i>16:55</i>						
			<i>CS-02</i>	<i>0-2 Ft</i>	<i>C</i>									<i>17:02</i>						
			<i>CS-02</i>	<i>2-4 Ft</i>	<i>C</i>									<i>17:07</i>						
			<i>CS-Source</i>	<i>10 Ft</i>	<i>G</i>									<i>17:21</i>				<i>X</i>		
			<i>CS-02</i>	<i>4.5 Ft</i>	<i>G</i>									<i>17:32</i>	<i>X</i>	<i>X</i>		<i>X</i>		

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Relinquished By: <i>ATL</i>	Date: <i>6/12/24</i>	Received By: <i>Shari Cisneros</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
Relinquished By:	Date: <i>14:13</i>	Received By:	All Results are emailed. Please provide Email address:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <i>3.9</i>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>SC</i>	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
FORM 000 R 3.4 07/11/23	Corrected Temp. °C	<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140 Correction Factor 0°C	Observed Temp. °C 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

July 29, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: PAR THREE 105 H WATERLINE

Enclosed are the results of analyses for samples received by the laboratory on 07/24/24 16:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 03 0-2FT (H244408-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.88	94.2	2.00	4.34	
Toluene*	<0.050	0.050	07/25/2024	ND	1.86	93.1	2.00	4.29	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.95	97.5	2.00	3.94	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.77	96.2	6.00	3.56	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/26/2024	ND	480	120	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	07/25/2024	ND	207	103	200	0.360	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	89.9	200	0.0746	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 03 2-4FT (H244408-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.88	94.2	2.00	4.34	
Toluene*	<0.050	0.050	07/25/2024	ND	1.86	93.1	2.00	4.29	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.95	97.5	2.00	3.94	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.77	96.2	6.00	3.56	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/26/2024	ND	480	120	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	07/25/2024	ND	207	103	200	0.360	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	89.9	200	0.0746	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 03 4.5FT (H244408-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.88	94.2	2.00	4.34	
Toluene*	<0.050	0.050	07/25/2024	ND	1.86	93.1	2.00	4.29	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.95	97.5	2.00	3.94	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.77	96.2	6.00	3.56	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	07/26/2024	ND	480	120	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	07/25/2024	ND	207	103	200	0.360	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	89.9	200	0.0746	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 04 0-2FT (H244408-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.88	94.2	2.00	4.34	
Toluene*	<0.050	0.050	07/25/2024	ND	1.86	93.1	2.00	4.29	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.95	97.5	2.00	3.94	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.77	96.2	6.00	3.56	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/26/2024	ND	480	120	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	07/25/2024	ND	207	103	200	0.360	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	89.9	200	0.0746	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 04 2-4FT (H244408-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.88	94.2	2.00	4.34	
Toluene*	<0.050	0.050	07/25/2024	ND	1.86	93.1	2.00	4.29	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.95	97.5	2.00	3.94	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.77	96.2	6.00	3.56	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/26/2024	ND	480	120	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	07/25/2024	ND	207	103	200	0.360	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	89.9	200	0.0746	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 04 4.5FT (H244408-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.88	94.2	2.00	4.34	
Toluene*	<0.050	0.050	07/25/2024	ND	1.86	93.1	2.00	4.29	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.95	97.5	2.00	3.94	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.77	96.2	6.00	3.56	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/26/2024	ND	480	120	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	07/25/2024	ND	207	103	200	0.360	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	89.9	200	0.0746	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 05 0-2FT (H244408-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.88	94.2	2.00	4.34	
Toluene*	<0.050	0.050	07/25/2024	ND	1.86	93.1	2.00	4.29	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.95	97.5	2.00	3.94	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.77	96.2	6.00	3.56	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/26/2024	ND	480	120	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	07/25/2024	ND	207	103	200	0.360	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	89.9	200	0.0746	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 05 2-4FT (H244408-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2024	ND	1.88	94.2	2.00	4.34	
Toluene*	<0.050	0.050	07/26/2024	ND	1.86	93.1	2.00	4.29	
Ethylbenzene*	<0.050	0.050	07/26/2024	ND	1.95	97.5	2.00	3.94	
Total Xylenes*	<0.150	0.150	07/26/2024	ND	5.77	96.2	6.00	3.56	
Total BTEX	<0.300	0.300	07/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/26/2024	ND	480	120	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	07/25/2024	ND	207	103	200	0.360	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	89.9	200	0.0746	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 05 4.5FT (H244408-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16	QM-07
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34	QM-07
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	207	103	200	0.360	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	89.9	200	0.0746	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 06 0-2FT (H244408-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	207	103	200	0.360	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	89.9	200	0.0746	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 06 2-4FT (H244408-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	207	103	200	0.360	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	180	89.9	200	0.0746	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 61.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 06 4.5FT (H244408-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 07 0-2FT (H244408-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66		
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34		
Total BTEX	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	07/26/2024	ND	464	116	400	3.51		

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	07/25/2024	ND	201	100	200	0.816		
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39		
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND						

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 07 2-4FT (H244408-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 07 4.5FT (H244408-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 07 5.5FT (H244408-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 08 0-2FT (H244408-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 08 2-4FT (H244408-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 08 4.5FT (H244408-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 09 0-2FT (H244408-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 09 2-4FT (H244408-21)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/25/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 69.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 09 4.5FT (H244408-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/26/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/26/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/26/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 10 0-2FT (H244408-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/26/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/26/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/26/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 10 2-4FT (H244408-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/26/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/26/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/26/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 10 4.5FT (H244408-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2024	ND	2.25	112	2.00	1.66		
Toluene*	<0.050	0.050	07/26/2024	ND	2.42	121	2.00	2.37		
Ethylbenzene*	<0.050	0.050	07/26/2024	ND	2.37	119	2.00	2.16		
Total Xylenes*	<0.150	0.150	07/26/2024	ND	7.45	124	6.00	2.34		
Total BTEX	<0.300	0.300	07/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	07/26/2024	ND	464	116	400	3.51		

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	07/25/2024	ND	201	100	200	0.816		
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39		
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND						

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 10 5.5FT (H244408-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/26/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/26/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/26/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 11 0-2FT (H244408-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/26/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/26/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/26/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4360	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 11 2-4FT (H244408-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2024	ND	2.25	112	2.00	1.66	
Toluene*	<0.050	0.050	07/26/2024	ND	2.42	121	2.00	2.37	
Ethylbenzene*	<0.050	0.050	07/26/2024	ND	2.37	119	2.00	2.16	
Total Xylenes*	<0.150	0.150	07/26/2024	ND	7.45	124	6.00	2.34	
Total BTEX	<0.300	0.300	07/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	07/26/2024	ND	464	116	400	3.51	

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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 11 4.5FT (H244408-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.34	117	2.00	4.43	
Toluene*	<0.050	0.050	07/25/2024	ND	2.38	119	2.00	4.76	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.53	126	2.00	4.76	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.56	126	6.00	4.78	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/26/2024	ND	448	112	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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 12 0-2FT (H244408-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.34	117	2.00	4.43	
Toluene*	<0.050	0.050	07/25/2024	ND	2.38	119	2.00	4.76	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.53	126	2.00	4.76	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.56	126	6.00	4.78	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/26/2024	ND	448	112	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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 12 2-4FT (H244408-31)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.34	117	2.00	4.43	
Toluene*	<0.050	0.050	07/25/2024	ND	2.38	119	2.00	4.76	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.53	126	2.00	4.76	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.56	126	6.00	4.78	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/26/2024	ND	448	112	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	07/25/2024	ND	201	100	200	0.816	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	187	93.5	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	07/24/2024	Sampling Date:	07/24/2024
Reported:	07/29/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: CS - 12 4.5FT (H244408-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.34	117	2.00	4.43	
Toluene*	<0.050	0.050	07/25/2024	ND	2.38	119	2.00	4.76	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.53	126	2.00	4.76	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.56	126	6.00	4.78	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/26/2024	ND	448	112	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	07/25/2024	ND	188	94.0	200	3.93	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	199	99.7	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Amerceder LLC	BILL TO	ANALYSIS REQUEST											
Project Manager: Andrew Parker	P.O. #: 20240526-1900-par3-105H												
Address: On-File	Company: Amerceder LLC												
City: State: Zip:	Attn: aparker@amerceder.com												
Phone #: Fax #:	Address:												
Project #: Project Owner:	City:												
Project Name: 20240526-1900-par3-105H	State: Zip:												
Project Location: Par Three 105H Waterline	Phone #:												
Sampler Name: Jesús Palomares	Fax #:												

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESEV.	SAMPLING		Chloride	TPH (GRO+DRO+MRO)	BTEX (Benzene)
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL			
H200408													
1	CS-03 0-2ft	9			✓			✓		07-24	12:09	✓	✓
2	CS-03 2-4ft	14									12:15		
3	CS-03 4.5ft										12:27		
4	CS-04 0-2ft										11:01		
5	CS-04 2-4ft										11:09		
6	CS-04 4.5ft										10:54		
7	CS-05 0-2ft										11:27		
8	CS-05 2-4ft										11:20		
9	CS-05 4.5ft										11:15		
10	CS-06 0-2ft										11:47		

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Relinquished By:	Date: 07-24-2024	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date: 11-07	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 41C Corrected Temp. °C	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) AD
REMARKS: AP 7-24-24 Imp black Bauling		Turnaround Time: 1.4	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Thermometer ID #140 Correction Factor 0°C		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temp. °C

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Amerceder LLC</u>	BILL TO	ANALYSIS REQUEST											
Project Manager: <u>Andrew Parker</u>	P.O. #: <u>20240526-1900-par3-105H</u>												
Address: <u>On-File</u>	Company: <u>Amerceder</u>												
City: _____ State: _____ Zip: _____	Attn: <u>aparker@amerceder.com</u>												
Phone #: _____ Fax #: _____	Address: _____												
Project #: _____ Project Owner: _____	City: _____												
Project Name: <u>20240526-1900-par3-105H</u>	State: _____ Zip: _____												
Project Location: <u>Par Three 105H Waterline</u>	Phone #: _____												
Sampler Name: <u>Jesus Palomares</u>	Fax #: _____												

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX						PRESEV.	SAMPLING		DATE	TIME	Chloride	TPH (GRO+DRO+MRO)	BTEX (Benzene)
GROUNDWATER	WASTEWATER				SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME					
		<u>H204408</u>																
		<u>11</u>	<u>CS-06 2-4ft</u>	<u>G</u>			<u>✓</u>						<u>07-24</u>	<u>11:41</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	
		<u>12</u>	<u>CS-06 4.5ft</u>	<u>+</u>										<u>11:36</u>				
		<u>13</u>	<u>CS-07 0-2ft</u>											<u>10:27</u>				
		<u>14</u>	<u>CS-07 2-4ft</u>											<u>10:23</u>				
		<u>15</u>	<u>CS-07 4.5ft</u>											<u>10:17</u>				
		<u>16</u>	<u>CS-07 5.5ft</u>											<u>10:11</u>				
		<u>17</u>	<u>CS-08 0-2ft</u>											<u>10:33</u>				
		<u>18</u>	<u>CS-08 2-4ft</u>											<u>10:37</u>				
		<u>19</u>	<u>CS-08 4.5ft</u>											<u>10:42</u>				
		<u>20</u>	<u>CS-09 0-2ft</u>											<u>09:20</u>				

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Relinquished By: <u>[Signature]</u>	Date: <u>07-24-2024</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:			
Relinquished By: <u>[Signature]</u>	Date: <u>11-07</u>	Received By: <u>[Signature]</u>	All Results are emailed. Please provide Email address:				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <u>4.1</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>AD</u>	Turnaround Time: <u>Trippbank</u>	Standard <u>Rush</u>	<input checked="" type="checkbox"/> Bacteria (only) Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Sample Condition Observed Temp. °C Corrected Temp. °C

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <i>Amerader LLC</i>		BILL TO		ANALYSIS REQUEST						
Project Manager: <i>Andrew Parker</i>		P.O. #: <i>20240526-1400-par3 MSJ</i>								
Address: <i>On-File</i>		Company: <i>Amerader LLC</i>								
City:	State:	Zip:	Attn: <i>a.parker@amerader.com</i>							
Phone #:	Fax #:		Address:							
Project #:	Project Owner:		City:							
Project Name: <i>20240526-1400-par3-105H</i>			State:							Zip:
Project Location: <i>Par Three 105H Waterline</i>			Phone #:							
Sampler Name: <i>Jesus Palomares</i>			Fax #:							

Lab I.D.	Sample I.D.	(GRAB OR C)OMP. # CONTAINERS	MATRIX					PRESERV.	SAMPLING		Chloride	TPH (GRO+DROT+MRD)	BTEX (Benzene)
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE: ICE / COOL	OTHER:			
<i>H244408</i>													
<i>21</i>	<i>CS-09 2-4ft</i>	<i>9</i>			<i>✓</i>			<i>✓</i>	<i>07-24</i>	<i>09:24</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
<i>22</i>	<i>CS-09 4.5ft</i>	<i>1</i>								<i>09:28</i>			
<i>23</i>	<i>CS-10 0-2ft</i>									<i>09:38</i>			
<i>24</i>	<i>CS-10 2-4ft</i>									<i>09:46</i>			
<i>25</i>	<i>CS-10 4.5ft</i>									<i>10:01</i>			
<i>26</i>	<i>CS-10 5.5ft</i>									<i>10:04</i>			
<i>27</i>	<i>CS-11 0-2ft</i>									<i>09:01</i>			
<i>28</i>	<i>CS-11 2-4ft</i>									<i>09:07</i>			
<i>29</i>	<i>CS-11 4.5ft</i>									<i>09:14</i>			
<i>30</i>	<i>CS-12 0-2ft</i>									<i>08:45</i>			

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Relinquished By: <i>[Signature]</i>	Date: <i>07-24-2024</i>	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Date: <i>11/07</i>	Received By: <i>[Signature]</i>	All Results are emailed. Please provide Email address:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <i>41.2</i>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Turnaround Time: <i>TRP Blank 1-4</i>	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Corrected Temp. °C	Checked By: (Initials) <i>AP</i>	Thermometer ID #140 Correction Factor 0°C	Bacteria (only) Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Sample Condition Observed Temp. °C Corrected Temp. °C

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Amerceder LLC
Project Manager: Andrew Parker
Address: On-File
City: State: Zip:
Phone #: Fax #:
Project #: Project Owner:
Project Name: 2024 0526-1900-par3-105H
Project Location: Par Three 105H Waterline
Sampler Name: Jesus Palomares

BILL TO
P.O. #: 20240526-1900-par3-105H
Company: Amerceder LLC
Attn: aparker@amerceder.com
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST table with columns for Matrix (Groundwater, Wastewater, Soil, Oil, Sludge, Other), Preserv. (Acid/Base, Ice/Cool, Other), and Sampling (Date, Time). Includes handwritten notes: Chloride, TPH (GRO + DRO + MRO), BTEX (Benzene).

Table for Lab I.D. and Sample I.D. with columns for (G)RAB OR (C)OMP, # CONTAINERS, MATRIX, PRESERV., and SAMPLING. Includes handwritten entries for samples CS-12 at 2-4ft and 4.5ft depths.

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Relinquished By: [Signature] Date: 07-24-2024 Time: 1607
Received By: [Signature] Date: Received By:
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: Trip Done 1.4
Turnaround Time: Standard [] Rush [x]
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] Yes [] No Corrected Temp. °C [] Yes [] No [] Yes [] No

† Cardinal cannot accept verbal changes. Please email changes to: jk@cardinallabsnm.com



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

August 08, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: PAR THREE 105 H WATERLINE

Enclosed are the results of analyses for samples received by the laboratory on 08/02/24 15:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	08/02/2024	Sampling Date:	08/02/2024
Reported:	08/08/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 02 5.5FT (H244665-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/07/2024	ND	432	108	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	08/06/2024	ND	231	115	200	0.911	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	219	110	200	0.0716	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	08/02/2024	Sampling Date:	08/02/2024
Reported:	08/08/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 02 6.5FT (H244665-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/07/2024	ND	432	108	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	08/06/2024	ND	231	115	200	0.911	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	219	110	200	0.0716	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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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:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	08/02/2024	Sampling Date:	08/02/2024
Reported:	08/08/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 03.1 OFT (H244665-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/07/2024	ND	432	108	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	08/06/2024	ND	231	115	200	0.911	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	219	110	200	0.0716	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	08/02/2024	Sampling Date:	08/02/2024
Reported:	08/08/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 03.1 1FT (H244665-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/07/2024	ND	432	108	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	08/06/2024	ND	231	115	200	0.911	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	219	110	200	0.0716	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	08/02/2024	Sampling Date:	08/02/2024
Reported:	08/08/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 03.1 2FT (H244665-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2024	ND	432	108	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	08/06/2024	ND	231	115	200	0.911	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	219	110	200	0.0716	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	08/02/2024	Sampling Date:	08/02/2024
Reported:	08/08/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 03.1 3FT (H244665-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2024	ND	432	108	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	08/06/2024	ND	231	115	200	0.911	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	219	110	200	0.0716	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	08/02/2024	Sampling Date:	08/02/2024
Reported:	08/08/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 03.1 4FT (H244665-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/07/2024	ND	432	108	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	08/06/2024	ND	231	115	200	0.911	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	219	110	200	0.0716	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	08/02/2024	Sampling Date:	08/02/2024
Reported:	08/08/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 03.1 5FT (H244665-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/07/2024	ND	432	108	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	08/06/2024	ND	231	115	200	0.911	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	219	110	200	0.0716	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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 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

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Celey D. Keene

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

Company Name: <u>Amercedev LLC</u>			BILL TO			ANALYSIS REQUEST																					
Project Manager: <u>Andrew Parker</u>			P.O. #: <u>20240526-1400-par3-105H</u>			<div style="display: flex; justify-content: space-around; font-size: 2em; font-weight: bold;"> Chloride TPH (GRO+DRO+MRO) BTEX (Benzene) </div>																					
Address: <u>On-File</u>			Company: <u>Amercedev</u>																								
City: _____ State: _____ Zip: _____			Attn: <u>aparker@amercedev.com</u>																								
Phone #: _____ Fax #: _____			Address: _____																								
Project #: _____ Project Owner: _____			City: _____																								
Project Name: <u>20240526-1400-par3-105H</u>			State: _____ Zip: _____																								
Project Location: <u>Par Three 105H Waterline</u>			Phone #: _____																								
Sampler Name: <u>Jesus Palomares</u>			Fax #: _____																								
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		# CONTAINERS	MATRIX				PRESERV.		SAMPLING																
				(G/RAB OR (C)OMP.	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
<u>H24466e5</u>				9			✓				✓	✓		08-02	10:18												
1 CS-02		5.5ft		9			✓				✓	✓			10:24												
2 CS-02		6.5ft		9			✓				✓	✓			09:35												
3 CS-03.1		0ft		9			✓				✓	✓			09:43												
4 CS-03.1		1ft		9			✓				✓	✓			09:54												
5 CS-03.1		2ft		9			✓				✓	✓			09:59												
6 CS-03.1		3ft		9			✓				✓	✓			10:03												
7 CS-03.1		4ft		9			✓				✓	✓			10:08												
8 CS-03.1		5ft		9			✓				✓	✓															

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Relinquished By: <u>[Signature]</u>		Date: <u>08-02-24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: <u>1542</u>				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
						<u>Temp bank: 1.4°C - 0.6°C SR</u> <u>0.8°C</u>	
Delivered By: (Circle One)		Observed Temp. °C <u>4.3i</u>		Sample Condition		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>3.7i</u>		<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				CHECKED BY: (Initials) <u>SR</u>		<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
						Thermometer ID #140 Correction Factor °C <u>-0.6i</u>	
						Observed Temp. °C	
						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 15, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: PAR THREE 105 H WATERLINE

Enclosed are the results of analyses for samples received by the laboratory on 08/09/24 15:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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:

AMEREDEV
 ANDREW PARKER
 2901 VIA FORTUNA , SUITE 600
 AUSTIN TX, 78746
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	PAR THREE 105 H WATERLINE	Sampling Condition:	Cool & Intact
Project Number:	20240526-1900-PAR3-105H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: BACKFILL 01 (H244834-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	1.98	99.2	2.00	0.853	
Toluene*	<0.050	0.050	08/13/2024	ND	1.94	96.8	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.06	103	2.00	1.47	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.07	101	6.00	1.43	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/13/2024	ND	432	108	400	3.64	

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	08/13/2024	ND	201	101	200	2.08	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	194	96.8	200	0.567	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

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Celey D. Keene

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

Company Name: Amerceder LLC			BILL TO			ANALYSIS REQUEST																
Project Manager: Andrew Parker			P.O. #: 20240526-1900-par3-105H																			
Address: On-File			Company: Amerceder																			
City:		State:	Zip:		Attn: aparker@amerceder.com																	
Phone #:		Fax #:		Address:																		
Project #:		Project Owner:			City:																	
Project Name: 20240526-1900-par3-105H			State:															Zip:				
Project Location: Par Three 105H Waterline			Phone #:															Fax #:				
Sampler Name: Jesus Palomares			Fax #:			Chloride TPH (GRO+ORO+MRO) BTEX (Benzene)																
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX													PRESERV.	SAMPLING			
					GROUNDWATER																	
					WASTEWATER																	
					SOIL																	
					OIL																	
					SLUDGE																	
					OTHER:																	
					ACID/BASE:																	
					ICE / COOL																	
					OTHER:																	
									DATE	TIME												
	1244834	Backfill 01	G	1					08-09	11:37												

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Relinquished By:	Date: 08-09	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: 1557		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One)	Observed Temp. °C: 5.8	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) SK
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 5.2	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
			Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID #140 Correction Factor -0.1°C

FORM-000 R 3.4 07/11/23

† Cardinal's name, contact verbal changes. Please email changes to celey.keene@cardinal-lab.com

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 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
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QUESTIONS

Action 376137

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 376137
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2414845352
Incident Name	NAPP2414845352 20240526-1900-PAR3_105H @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

Location of Release Source

Please answer all the questions in this group.

Site Name	20240526-1900-par3_105H
Date Release Discovered	05/26/2024
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 150 BBL Recovered: 75 BBL Lost: 75 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 376137

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 376137
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Environmental Scientist Email: aparker@ameredev.com Date: 05/31/2024
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QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 376137
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Zero feet, overlying, or within area
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	11200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	30
GRO+DRO (EPA SW-846 Method 8015M)	20
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	06/10/2024
On what date will (or did) the final sampling or liner inspection occur	08/02/2024
On what date will (or was) the remediation complete(d)	08/02/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 376137

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 376137
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	Deferral requested

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Environmental Scientist Email: aparker@ameredev.com Date: 08/21/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 376137

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:	372224
	Action Number:	376137
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	To safely remediate the release extent would require shutting down the flowlines for the duration of remedial activities estimated at 3 weeks. Keeping these flowlines operational is critical to daily operations and shutting down the flowlines would cause a monumental loss of production. Please refer to text for detail
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	23435
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	3471
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (##) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-52608 PAR THREE 25 36 06 FEDERAL COM #115H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Environmental Scientist Email: aparker@ameredev.com Date: 08/21/2024

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Action 376137

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 376137
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	368533
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/02/2024
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	6000

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 376137

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 376137
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	10/8/2024