

Team Operating – Remediation Closure Report

LMPSU Battery #2 Injection Line

Incident ID: nAPP2427552444 NMSLO

Lease Number - B009340008

Unit I, Section 29, Township 22S, Range 37E

Site Coordinates: 32.359667, -103.176889

Lea County, New Mexico

Introduction

This Site Characterization and Reclamation Work Plan has been prepared for submittal to the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (NMSLO) to document site assessment, and reclamation activities for the LMPSU Battery #2 Injection Line (Site). The Site is in Unit Letter I, Section 29, of Township 22 South and Range 37 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.359667° N latitude and 103.176889° W longitude. The site location with respect to the nearest town is shown in Figure 1 and the topography of the area is shown in Figure 2.

The Site is located approximately 73 miles east of Carlsbad, New Mexico, in an area of oil and gas activity. The Site can be accessed by traveling northeast from Carlsbad, NM on US-180 E/US-62E for 31.5 miles. Turn right into NM-176 E and continue straight for 26.6 miles, then turn right to stay on NM-176 E for 6.4 miles. Take a slight right toward NM-207 S and continue for 469 feet (ft). Merge onto NM-207 and continue straight for 5.5 miles. Turn right onto King Rd and travel for 1.1 miles. Turn left and travel for 348 ft to reach the Site. There are no locked gates or other access issues.

Background

On September 30, 2024, a leak was discovered on the injection line resulting in the approximate sixty (60) barrels (bbls) of produced water of which thirty (30) bbls were recovered for a net loss of thirty (30) bbls of produced water. The leak was discovered quickly, and the area was secured and repairs ensued.

Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, USGS GW monitor well. with site ID 322127103102201 is located approximately 1,180' from the spill source and establishes groundwater depth in the area to be at 60.6 ft or deeper. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the Site is located within a Low Karst area. Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) is attached to the report.

Site was characterized according to Table I, Closure Criteria for Soils Impacted by a Release, from the New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
Low Karst	60 ft

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 & 19.15.23.12)

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	Benzene
19.15.29.13 Remediation and Closure Criteria for Soils Impacted by a Release	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Remedial Action Activities

Delineation samples were taken on 10/10/2024 and are compiled in sample table along with final sample results. Delineation samples shows that the release area was properly delineated in all cardinal directions, and that higher chlorides found at deeper depths on sidewalls are due to background concentrations, and fall below the 10,000 mg/kg threshold.

All contaminated soil was removed, leaving an excavation with sidewalls of the following lengths: 36' (north wall) by 27' (east wall) by 36.5' (south wall) by 31' (west wall), for a total square footage of 1,085 sq ft.

Confirmation soil samples were collected on 11/27/2024 and analyzed prior to backfilling. Confirmation 5- point composite samples were collected from the base and sidewalls of the remediation area in segments representative of no more than 200 square feet. Samples were submitted to a certified laboratory for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX), total petroleum hydrocarbons (TPH), and chlorides.

A total of six (6) composite confirmation samples were taken from the excavation base (1,085 sq ft), and four (4) composite confirmation samples were taken from the excavation sidewalls (132 x 4.5 ft).

All lab results were under the closure criteria outlined in the table above. Please see the Cardinal Laboratories analytical results report attached to this remediation closure report.

Reclamation Activities

A desktop review of the Site was performed and found to not be in range of any sensitive biological resources including Special Status Plant Species, Lesser Prairie Chicken, and Dune Sagebrush Lizard.

The spill and reclamation extent is located in an area of existing disturbance, and between rights of way for both the injection line and adjacent production flowlines, therefore no Cultural Survey was required. Field personnel were attentive and monitoring for any cultural materials during the reclamation process, however none were encountered.

The areas that were subject to reclamation are the excavation area, lacking vegetation. After remediation the topsoil will be cross ripped to a minimum of eighteen (18) inches with a furrow spacing of two (2) feet. Site preparation will include ripping and tilling. The ripped areas will be re-contoured for initial seedbed preparation. The original landform will be restored, as near as possible, for all un-vegetated and/or disturbed areas from remedial action activities. Preparation of the seed bed will follow best practices. A certified weed-free seed mix designed by the NMSLO to meet reclamation standards will be used. Based on the soil complex (Pyote and Maljamar fine sands, Simona fine sandy loam, 0 to 3 percent slopes, and Wink fine sand) within and surrounding the Site, The NMSLO Seed Mixture Sandy (S) will be used for seeding and will be seeded at a rate of 16.0 pounds live seed (PLS) per acre (((Desired Stand in Plants per acre) / (1 - Expected Stand Loss)) / ((Seeds per lb.) x (% Germination))) to achieve a historic climax community. Seed mix species will include:

Grasses:

Sand bluestem Elida, VNS, So. 2.0 F

Little bluestem Cimarron, Pastura 3.0 F

Black grama VNS, Southern 1.0 D Sand

dropseed VNS, Southern 4.0 S Plains

bristlegrass VNS, Southern 2.0 D Forbs:

Firewheel (Gaillardia) VNS, Southern 1.0 D

Annual Sunflower VNS, Southern 1.0 D

Shrubs:

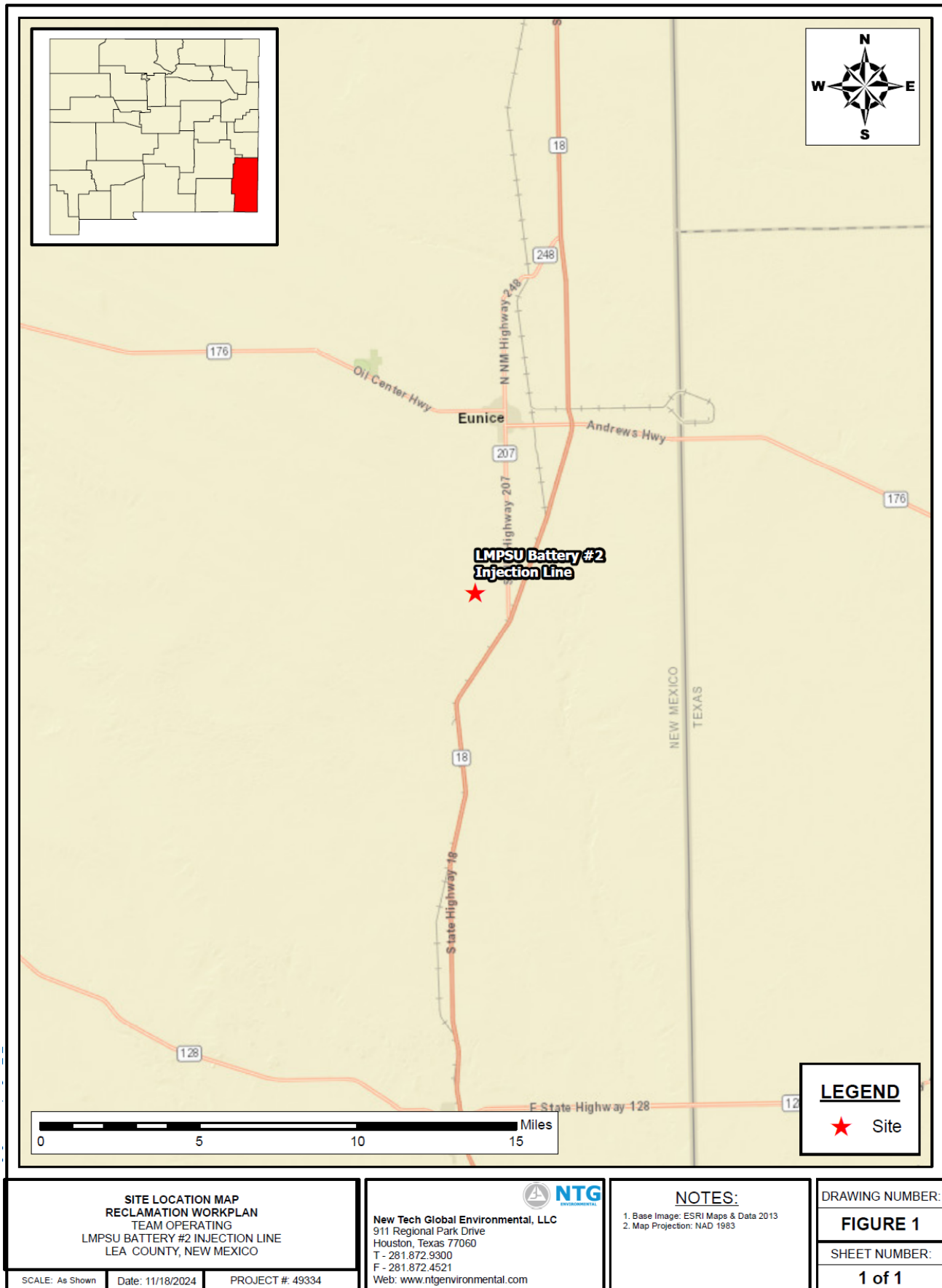
Fourwing Saltbush VNS, Southern 1.0 F

Based on contractor equipment availability, the seed mixture will be spread either by seed drill box or broadcast method. The seed mix will be purchased from a New Mexico Department of Agriculture (NMDA) licensed dealer. Following seeding operations, the seed tags will be made available to the NMSLO, along with a copy of the materials certification in a Reclamation Activities Report. Revegetation efforts will be completed in the first favorable growing season.

Reclamation Monitoring

Team personnel will monitor vegetative growth to ensure the reclamation activities performed were sufficient. Monitoring will include inspections conducted at least semi-annually on the easement until reclamation is considered complete. The inspections will include monitoring and treating the reclamation for unauthorized traffic, erosion, and invasive or noxious weeds. When it has been determined that vegetation has been established that reflects pre-disturbance vegetation cover with a total percent plant cover of greater than 70% of pre-disturbance area levels, excluding invasive or noxious weeds, a Final Reclamation Report and Reclamation Closure Request will be submitted once the Site was reached a successful status.

SITE LOCATION AND RECLAMATION FIGURES



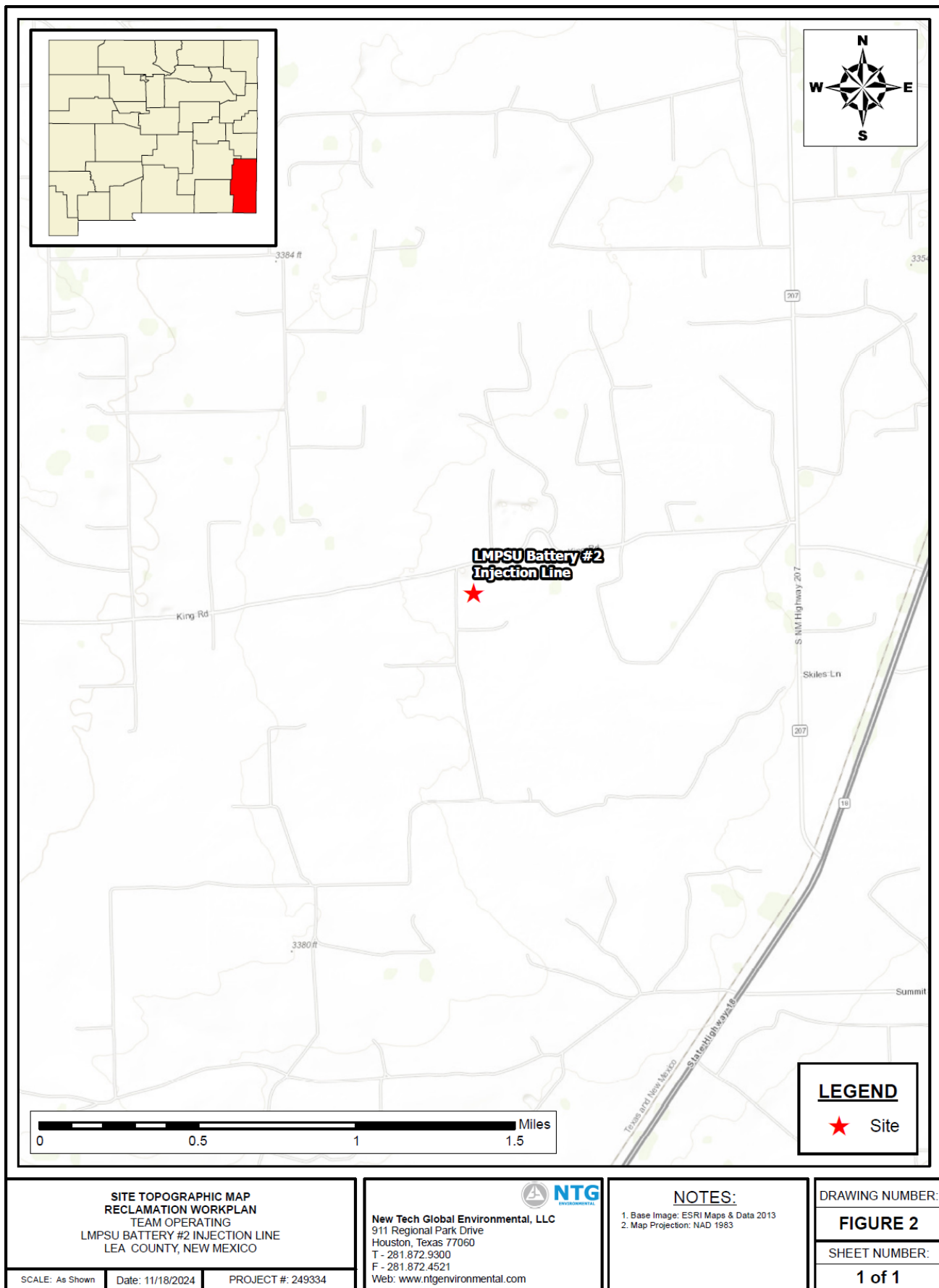
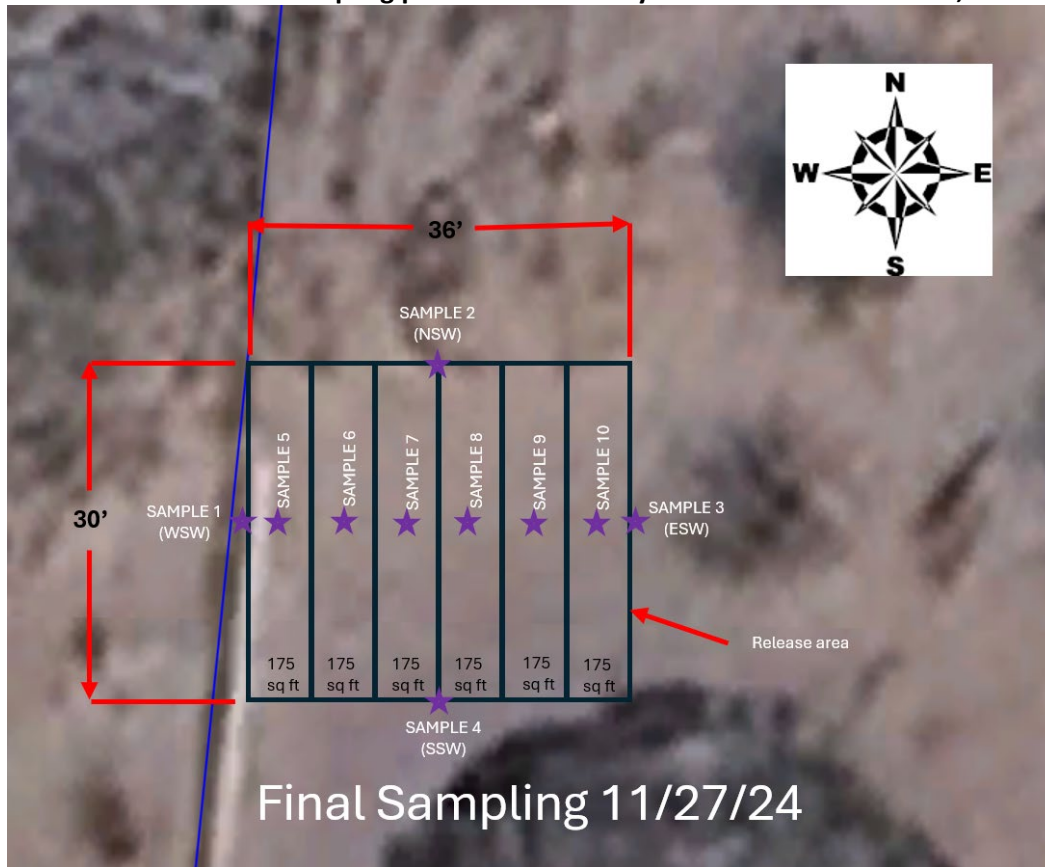
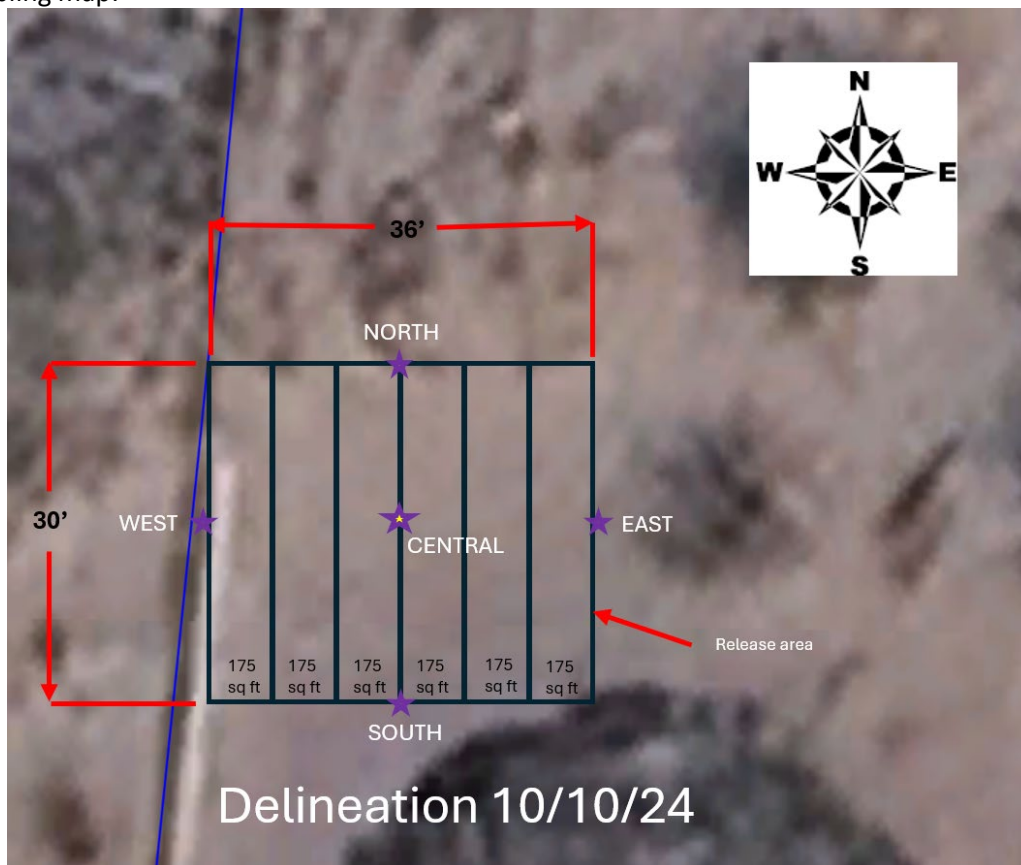




FIGURE 4: Diagrams of excavation and sampling points and summary table with nomenclature, and excavation photo:



Delineation sampling map:



Delineation Sampling Table - LMPSU BATTERY #2 INJECTION LINE - nAPP2427552444													
Sample ID	Location	Excavation Depth (ft)	Sample Depth (ft)	Chloride (mg/kg)	DELINEATION Chloride Limit Table 1 NMAC 19.15.29.12	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - MRO (mg/kg)	DELINEATION TPH GRO+DRO+MRO Limit Table 1 NMAC 19.15.29.12	Total BTEX (mg/kg)	DELINEATION BTEX Limit Table 1 NMAC 19.15.29.12	Benzene (mg/kg)	DELINEATION Benzene Limit Table 1 NMAC 19.15.29.12
NORTH	North Sidewall	4	1	16	600	Not analyzed	Not analyzed	Not analyzed	100	Not analyzed	50	Not analyzed	10
SOUTH	South Sidewall	4	1	<16	600	Not analyzed	Not analyzed	Not analyzed	100	Not analyzed	50	Not analyzed	10
EAST	East Sidewall	4	1	<16	600	Not analyzed	Not analyzed	Not analyzed	100	Not analyzed	50	Not analyzed	10
WEST	West Sidewall	4	1	<16	600	Not analyzed	Not analyzed	Not analyzed	100	Not analyzed	50	Not analyzed	10
CENTRAL	Composite bottom of excavation	4	4	576	600	Not analyzed	Not analyzed	Not analyzed	100	Not analyzed	50	Not analyzed	10

Final Sampling Table - LMPSU BATTERY #2 INJECTION LINE - nAPP2427552444													
Sample ID	Location	Excavation Depth (ft)	Sample Depth (ft)	Chloride (mg/kg)	Chloride Limit Table 1 NMAC 19.15.29.12	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - MRO (mg/kg)	TPH GRO+DRO+MRO Limit Table 1 NMAC 19.15.29.12	Total BTEX (mg/kg)	BTEX Limit Table 1 NMAC 19.15.29.12	Benzene (mg/kg)	Benzene Limit Table 1 NMAC 19.15.29.12
Sample 1	West Sidewall	4.5	4	624	10,000	<10	<20	<10	2,500	<0.3	50	<0.050	10
Sample 2	North Sidewall	4.5	4	1760	10,000	<10	<20	<10	2,500	<0.3	50	<0.050	10
Sample 3	East Sidewall	4.5	4	400	10,000	<10	<20	<10	2,500	<0.3	50	<0.050	10
Sample 4	South Sidewall	4.5	4	1440	10,000	<10	<20	<10	2,500	<0.3	50	<0.050	10
Sample 5	Bottom - see diagram	4.5	4.5	48	10,000	<10	<20	<10	2,500	<0.3	50	<0.050	10
Sample 6	Bottom - see diagram	4.5	4.5	1600	10,000	<10	<20	<10	2,500	<0.3	50	<0.050	10
Sample 7	Bottom - see diagram	4.5	4.5	32	10,000	<10	<20	<10	2,500	<0.3	50	<0.050	10
Sample 8	Bottom - see diagram	4.5	4.5	240	10,000	<10	<20	<10	2,500	<0.3	50	<0.050	10
Sample 9	Bottom - see diagram	4.5	4.5	16	10,000	<10	<20	<10	2,500	<0.3	50	<0.050	10
Sample 10	Bottom - see diagram	4.5	4.5	592	10,000	<10	<20	<10	2,500	<0.3	50	<0.050	10

Excavation photo:



Figure 5: Post-closure photos



SITE CHARACTERIZATION

National Flood Hazard Layer FIRMMette



103°10'56"W 32°21'50"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°10'18"W 32°21'20"N

Released to Imaging: 2/11/2025 10:21:07 AM

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



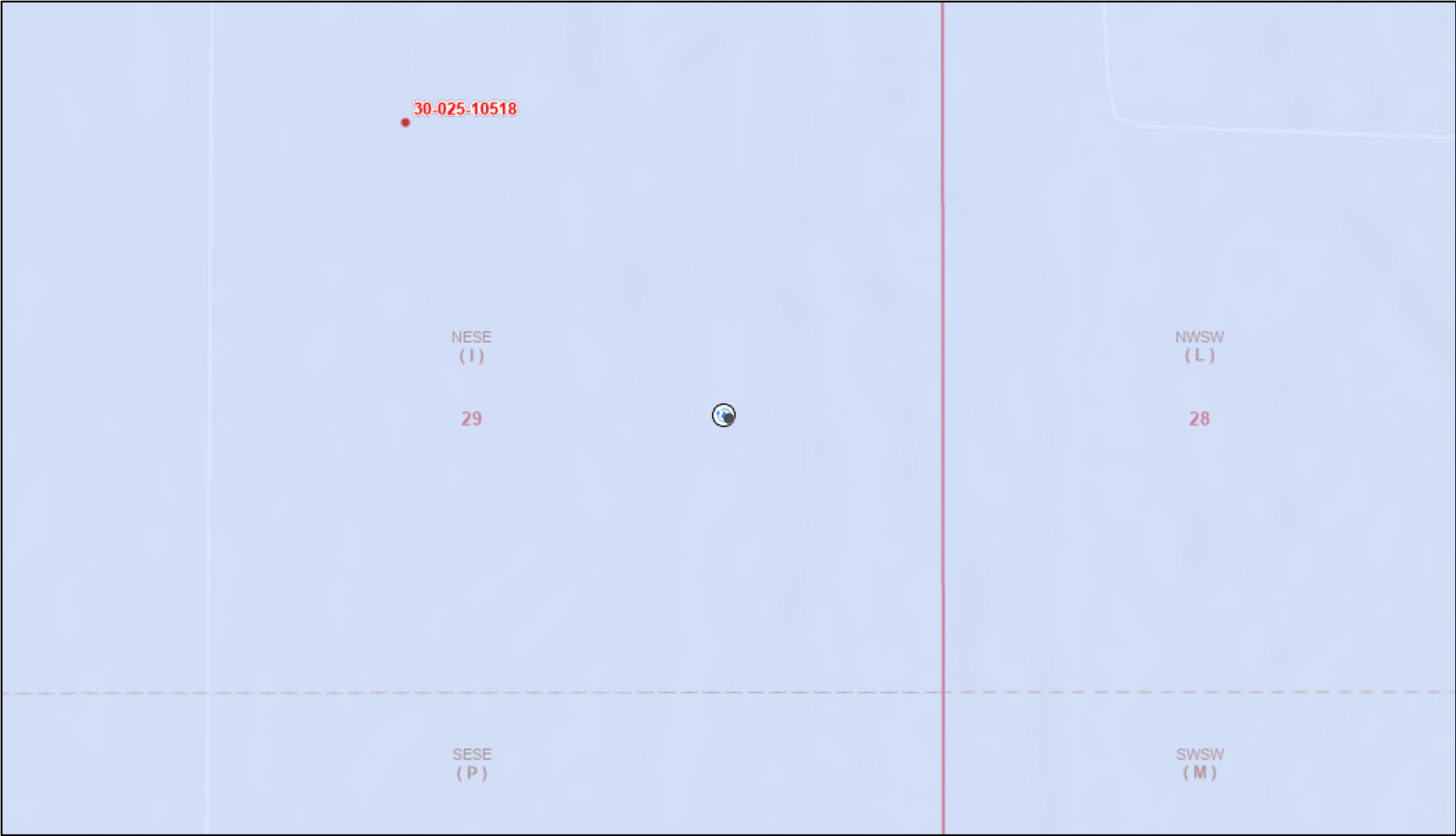
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/18/2024 at 4:03 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Karst Potential Map



11/18/2024, 10:41:39 AM

Wells - Large Scale

Oil, Plugged

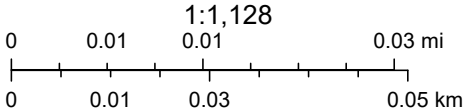
Incident Release

Karst Occurrence Potential

Low

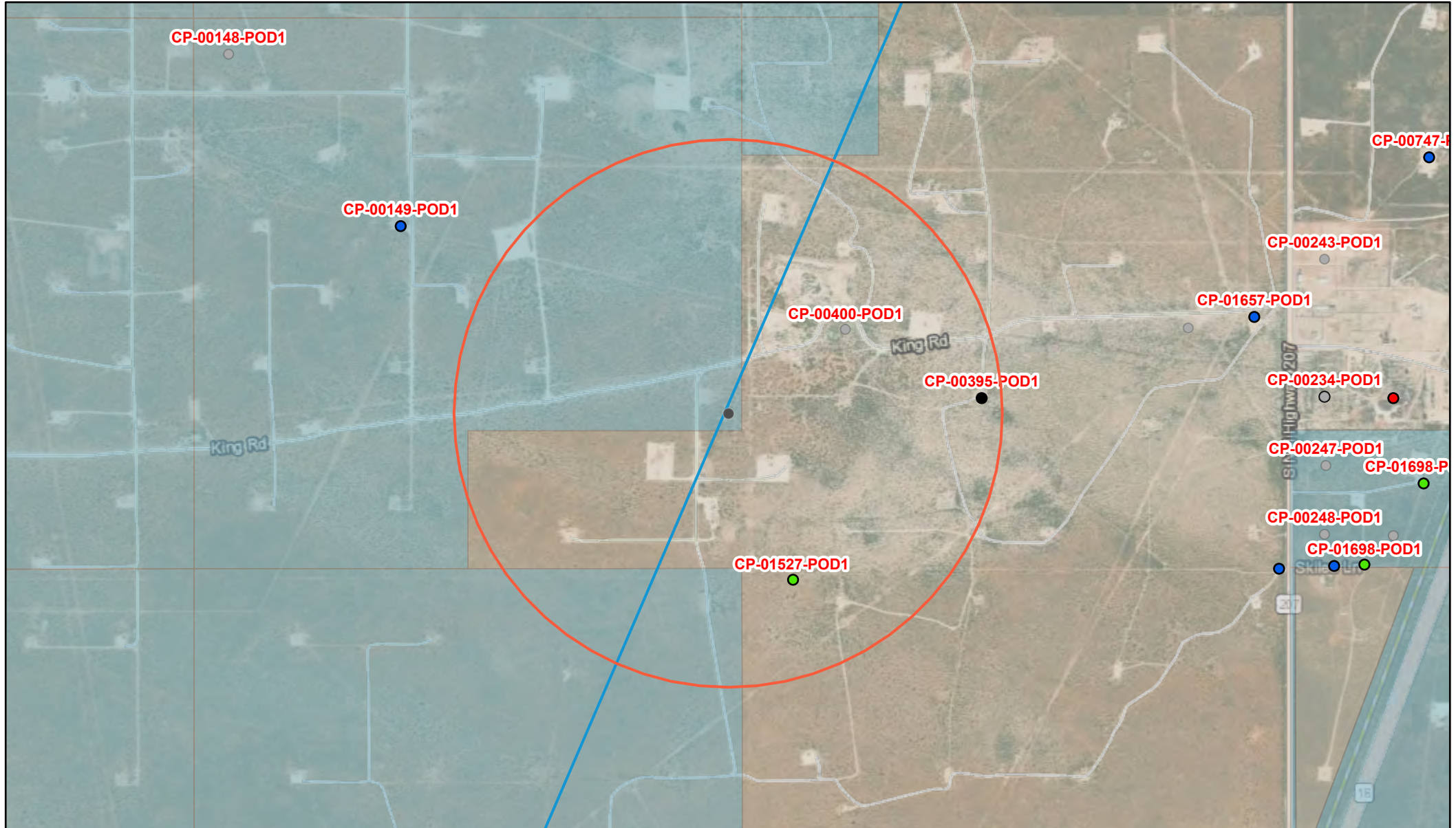
PLSS Second Division

PLSS First Division



BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS

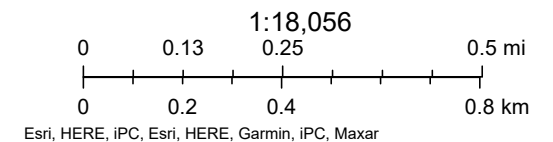
OSE POD Location Map



11/18/2024, 10:04:59 AM

- Override 1
- GIS WATERS PODs
- Active
- Pending
- Inactive
- Plugged




- Water Right Regulations
- Closure Area
- Artesian Planning Area
- New Mexico State Trust Lands
- Subsurface Estate
- Both Estates

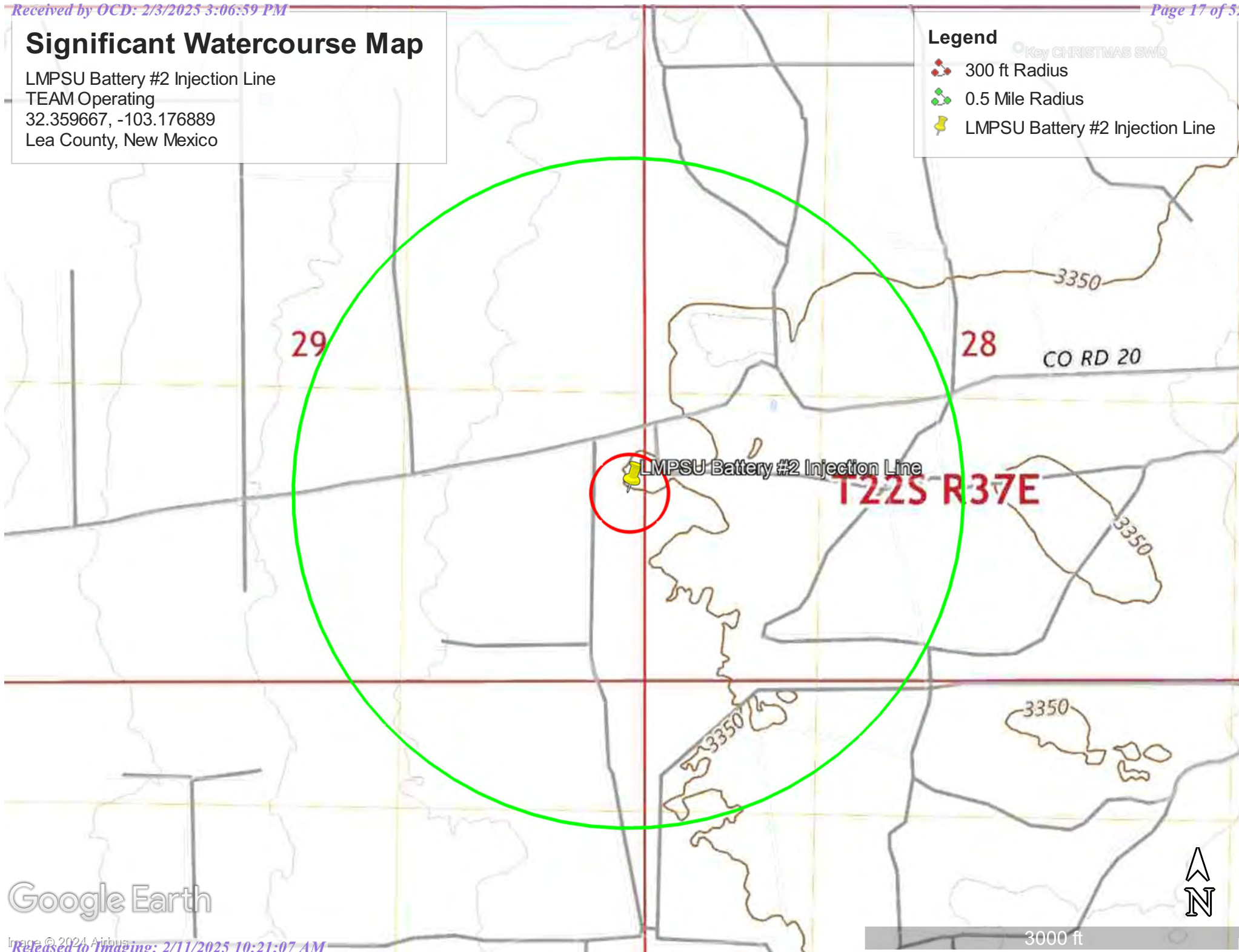


Significant Watercourse Map

LMPSU Battery #2 Injection Line
TEAM Operating
32.359667, -103.176889
Lea County, New Mexico

Legend

-  300 ft Radius
-  0.5 Mile Radius
-  LMPSU Battery #2 Injection Line



Google Earth

All Ecological Sites -- Lea County, New Mexico
(Soil Map)



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

11/18/2024
Page 1 of 3


All Ecological Sites -- —Lea County, New Mexico
(Soil Map)

MAP LEGEND

Area of Interest (AOI)





 Area of Interest (AOI)

Background





 Aerial Photography

Soils





Soil Rating Polygons

-  R070BD002NM
-  R070BD003NM
-  R070BD005NM
-  Not rated or not available


Soil Rating Lines

-  R070BD002NM
-  R070BD003NM
-  R070BD005NM
-  Not rated or not available






Soil Rating Points

-  R070BD002NM
-  R070BD003NM
-  R070BD005NM
-  Not rated or not available

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 18, 2020—Feb 17, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

All Ecological Sites —

Map unit symbol	Map unit name	Component name (percent)	Ecological site	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	Pyote (46%)	R070BD003NM — Loamy Sand	0.1	0.1%
		Maljamar (44%)	R070BD003NM — Loamy Sand		
		Kermit (10%)	R070BC022NM — Sandhills		
SE	Simona fine sandy loam, 0 to 3 percent slopes	Simona (85%)	R070BD002NM — Shallow Sandy	1.8	4.3%
		Kimbrough (8%)	R077CY037TX — Very Shallow 16-21" PZ		
		Lea (7%)	R077CY028TX — Limy Upland 16-21" PZ		
WF	Wink fine sand	Wink (85%)	R070BD005NM — Deep Sand	38.8	95.5%
		Jal (5%)	R070BC030NM — Limy		
		Midessa (4%)	R070BC007NM — Loamy		
		Drake (3%)	R077CY026TX — High Lime 16-21" PZ		
		Kermit (3%)	R070BC022NM — Sandhills		
Totals for Area of Interest				40.6	100.0%




Wetlands Map



November 18, 2024

Wetlands

	Estuarine and Marine Deepwater		Freshwater Emergent Wetland		Lake
	Estuarine and Marine Wetland		Freshwater Forested/Shrub Wetland		Other
			Freshwater Pond		Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

ANALYTICAL RESULTS REPORT
Final Sampling Lab Results
Delineation Sampling Lab Results

Final Sampling Lab Results



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

December 04, 2024

AUSTIN MUSGRAVE

TEAM OPERATING

3624 S. EUNICE HWY

HOBBS, NM 88240

RE: LMPSU LEAK

Enclosed are the results of analyses for samples received by the laboratory on 12/03/24 8:17.

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, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received: 12/03/2024
Reported: 12/04/2024
Project Name: LMPSU LEAK
Project Number: NOT GIVEN
Project Location: LMPSU BATTERY 2

Sampling Date: 11/27/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SAMPLE 1 (H247320-01)

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	12/03/2024	ND	2.17	108	2.00	1.54	
Toluene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.938	
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.956	
Total Xylenes*	<0.150	0.150	12/03/2024	ND	6.20	103	6.00	0.821	
Total BTEx	<0.300	0.300	12/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	624	16.0	12/03/2024	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	12/03/2024	ND	184	91.9	200	2.40	
DRO >C10-C28*	<20.0	20.0	12/03/2024	ND	170	85.2	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received: 12/03/2024
Reported: 12/04/2024
Project Name: LMPSU LEAK
Project Number: NOT GIVEN
Project Location: LMPSU BATTERY 2

Sampling Date: 11/27/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SAMPLE 2 (H247320-02)

BTX 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	12/03/2024	ND	2.17	108	2.00	1.54	
Toluene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.938	
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.956	
Total Xylenes*	<0.150	0.150	12/03/2024	ND	6.20	103	6.00	0.821	
Total BTX	<0.300	0.300	12/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	1760	16.0	12/03/2024	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	12/03/2024	ND	184	91.9	200	2.40	
DRO >C10-C28*	<20.0	20.0	12/03/2024	ND	170	85.2	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received: 12/03/2024
Reported: 12/04/2024
Project Name: LMPSU LEAK
Project Number: NOT GIVEN
Project Location: LMPSU BATTERY 2

Sampling Date: 11/27/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SAMPLE 3 (H247320-03)

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	12/03/2024	ND	2.17	108	2.00	1.54	
Toluene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.938	
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.956	
Total Xylenes*	<0.150	0.150	12/03/2024	ND	6.20	103	6.00	0.821	
Total BTEX	<0.300	0.300	12/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	400	16.0	12/03/2024	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	12/03/2024	ND	195	97.5	200	4.17	
DRO >C10-C28*	<20.0	20.0	12/03/2024	ND	186	93.2	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received: 12/03/2024
Reported: 12/04/2024
Project Name: LMPSU LEAK
Project Number: NOT GIVEN
Project Location: LMPSU BATTERY 2

Sampling Date: 11/27/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SAMPLE 4 (H247320-04)

BTX 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	12/03/2024	ND	2.17	108	2.00	1.54	
Toluene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.938	
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.956	
Total Xylenes*	<0.150	0.150	12/03/2024	ND	6.20	103	6.00	0.821	
Total BTX	<0.300	0.300	12/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	1440	16.0	12/03/2024	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	12/03/2024	ND	195	97.5	200	4.17	
DRO >C10-C28*	<20.0	20.0	12/03/2024	ND	186	93.2	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received: 12/03/2024
Reported: 12/04/2024
Project Name: LMPSU LEAK
Project Number: NOT GIVEN
Project Location: LMPSU BATTERY 2

Sampling Date: 11/27/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SAMPLE 5 (H247320-05)

BTX 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	12/03/2024	ND	2.17	108	2.00	1.54	
Toluene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.938	
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.956	
Total Xylenes*	<0.150	0.150	12/03/2024	ND	6.20	103	6.00	0.821	
Total BTX	<0.300	0.300	12/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	48.0	16.0	12/03/2024	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	12/03/2024	ND	195	97.5	200	4.17	
DRO >C10-C28*	<20.0	20.0	12/03/2024	ND	186	93.2	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received: 12/03/2024
Reported: 12/04/2024
Project Name: LMPSU LEAK
Project Number: NOT GIVEN
Project Location: LMPSU BATTERY 2

Sampling Date: 11/27/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SAMPLE 6 (H247320-06)

BTX 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	12/03/2024	ND	2.17	108	2.00	1.54	
Toluene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.938	
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.956	
Total Xylenes*	<0.150	0.150	12/03/2024	ND	6.20	103	6.00	0.821	
Total BTX	<0.300	0.300	12/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	1600	16.0	12/03/2024	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	12/03/2024	ND	195	97.5	200	4.17	
DRO >C10-C28*	<20.0	20.0	12/03/2024	ND	186	93.2	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received: 12/03/2024
Reported: 12/04/2024
Project Name: LMPSU LEAK
Project Number: NOT GIVEN
Project Location: LMPSU BATTERY 2

Sampling Date: 11/27/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SAMPLE 7 (H247320-07)

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	12/03/2024	ND	2.17	108	2.00	1.54		
Toluene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.938		
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.956		
Total Xylenes*	<0.150	0.150	12/03/2024	ND	6.20	103	6.00	0.821		
Total BTEx	<0.300	0.300	12/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	12/03/2024	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	12/03/2024	ND	195	97.5	200	4.17	
DRO >C10-C28*	<20.0	20.0	12/03/2024	ND	186	93.2	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received: 12/03/2024
Reported: 12/04/2024
Project Name: LMPSU LEAK
Project Number: NOT GIVEN
Project Location: LMPSU BATTERY 2

Sampling Date: 11/27/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SAMPLE 8 (H247320-08)

BTX 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	12/03/2024	ND	2.17	108	2.00	1.54	
Toluene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.938	
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.956	
Total Xylenes*	<0.150	0.150	12/03/2024	ND	6.20	103	6.00	0.821	
Total BTX	<0.300	0.300	12/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	240	16.0	12/03/2024	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	12/03/2024	ND	195	97.5	200	4.17	
DRO >C10-C28*	<20.0	20.0	12/03/2024	ND	186	93.2	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received: 12/03/2024
Reported: 12/04/2024
Project Name: LMPSU LEAK
Project Number: NOT GIVEN
Project Location: LMPSU BATTERY 2

Sampling Date: 11/27/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SAMPLE 9 (H247320-09)

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	12/03/2024	ND	2.17	108	2.00	1.54		
Toluene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.938		
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.956		
Total Xylenes*	<0.150	0.150	12/03/2024	ND	6.20	103	6.00	0.821		
Total BTEx	<0.300	0.300	12/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	12/03/2024	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	12/03/2024	ND	195	97.5	200	4.17	
DRO >C10-C28*	<20.0	20.0	12/03/2024	ND	186	93.2	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received: 12/03/2024
Reported: 12/04/2024
Project Name: LMPSU LEAK
Project Number: NOT GIVEN
Project Location: LMPSU BATTERY 2

Sampling Date: 11/27/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SAMPLE 10 (H247320-10)

BTX 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	12/03/2024	ND	2.17	108	2.00	1.54		
Toluene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.938		
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	2.08	104	2.00	0.956		
Total Xylenes*	<0.150	0.150	12/03/2024	ND	6.20	103	6.00	0.821		
Total BTX	<0.300	0.300	12/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	592	16.0	12/03/2024	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	12/03/2024	ND	195	97.5	200	4.17	
DRO >C10-C28*	<20.0	20.0	12/03/2024	ND	186	93.2	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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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A handwritten signature in black ink, appearing to read "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: TEAM OPERATING Project Manager: AUSTIN MUSGRAVE				P.O. #: Company: Attn: Address: City: State: Zip:			
Address: City: State: Zip:				Phone #: (432) 701-5144 Fax #: Project Owner: Project Name: LMP5 U LEAK Project Location: LMP5U BATT 2.			
Project #: Project Name: LMP5 U LEAK Project Location: LMP5U BATT 2.				State: City: State: Zip:			
Project Location: LMP5U BATT 2.				Phone #: Fax #:			
Sampler Name: AUSTIN MUSGRAVE				FOR LAB USE ONLY			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			ICE / COOL	OTHER :	CHLORIDES	TPH (GRO+DRO+MRO)	BTEX	BENZENE		
1	SAMPLE 1			X							11/27/24	10000	X	X	X	X				
2	SAMPLE 2			X							11/27/24	10000	X	X	X	X				
3	SAMPLE 3			X							11/27/24	10000	X	X	X	X				
4	SAMPLE 4			X							11/27/24	10000	X	X	X	X				
5	SAMPLE 5			X							11/27/24	10000	X	X	X	X				
6	SAMPLE 6			X							11/27/24	10000	X	X	X	X				
7	SAMPLE 7			X							11/27/24	10000	X	X	X	X				
8	SAMPLE 8			X							11/27/24	10000	X	X	X	X				
9	SAMPLE 9			X							11/27/24	10000	X	X	X	X				
10	SAMPLE 10			X							11/27/24	10000	X	X	X	X				

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Relinquished By: [Signature] Date: 12/3/24 Time: 0817	Received By: [Signature] Date: 0817 Time:
Relinquished By: [Signature]	Received By: [Signature]

Delivered By: (Circle One) ☒ UPS ☐ Bus ☐ Other: ☐ Corrected Temp. °C: -4.2

Observed Temp. °C: -3.4
Cool ☒ Intact ☒ Sample Condition: (Initials) [Signature]

Turnaround Time: ☒ Standard ☐ Rush ☐ Bacteria (only) ☐ Sample Condition: ☒ Cool ☐ Intact ☐ Observed Temp. °C: ☐ Yes ☐ No ☐ Corrected Temp. °C: ☐ Yes ☐ No

Thermometer ID #140
Correction Factor -0.5°C

Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:
All Results are emailed. Please provide Email address:
AUSTIN.MUSGRAVE@TEAMOPERATING.COM

REMARKS:

+ Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com

Delineation Sampling Lab Results



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

October 14, 2024

AUSTIN MUSGRAVE
TEAM OPERATING
3624 S. EUNICE HWY
HOBBS, NM 88240

RE: LMPSU LEAK

Enclosed are the results of analyses for samples received by the laboratory on 10/11/24 8:25.

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, flowing style.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received: 10/11/2024
Reported: 10/14/2024
Project Name: LMPSU LEAK
Project Number: LMPSU BATTERY 2
Project Location: LMPSU BATTERY 2

Sampling Date: 10/10/2024
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: CENTRAL (H246194-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	10/11/2024	ND	416	104	400	3.77	

Sample ID: NORTH (H246194-02)

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	10/11/2024	ND	416	104	400	3.77	

Sample ID: SOUTH (H246194-03)

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	10/11/2024	ND	416	104	400	3.77	

Sample ID: EAST (H246194-04)

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	10/11/2024	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received: 10/11/2024
Reported: 10/14/2024
Project Name: LMPSU LEAK
Project Number: LMPSU BATTERY 2
Project Location: LMPSU BATTERY 2

Sampling Date: 10/10/2024
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: WEST (H246194-05)

Chloride, SM4500Cl-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	10/11/2024	ND	416	104	400	3.77		

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

TEAM Operating

LMPSU Battery #2 Injection Line

Incident ID: nAPP2427552444

NMSLO Lease Number - B009340008

Unit I, Section 29, Township 22S, Range 37E

Site Coordinates: 32.359667, -103.176889

Lea County, New Mexico

Calculations used to determine initial leak volume are as follows: pooled fluid was immediately measured at 20' wide by 33' long by 6" deep, which calculates to be 59 bbls. 1 bbl was assumed to have already saturated underlying ground due to the promptness of discovery of the leak, and a vac truck was used to immediately recover 30 bbls, resulting in the determination of 30 bbls total of produced water being released.

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

QUESTIONS

Action 427745

QUESTIONS

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 427745
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2427552444
Incident Name	NAPP2427552444 LMPSU BATTERY #2 INJECTION LINE @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	LMPSU BATTERY #2 INJECTION LINE
Date Release Discovered	09/30/2024
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Injection Produced Water Released: 60 BBL Recovered: 30 BBL Lost: 30 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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 427745

QUESTIONS (continued)

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 427745
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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.
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.	

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: Ty Thompson Email: ty.thompson@teamoperating.com Date: 11/22/2024
--	--

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QUESTIONS, Page 3

Action 427745

QUESTIONS (continued)

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 427745
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (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 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (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	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>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.</i>	
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)	576
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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>	
On what estimated date will the remediation commence	10/08/2024
On what date will (or did) the final sampling or liner inspection occur	11/27/2024
On what date will (or was) the remediation complete(d)	12/13/2024
What is the estimated surface area (in square feet) that will be reclaimed	1085
What is the estimated volume (in cubic yards) that will be reclaimed	180
What is the estimated surface area (in square feet) that will be remediated	1085
What is the estimated volume (in cubic yards) that will be remediated	180
<i>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.</i>	
<i>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.</i>	

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 4

Action 427745

QUESTIONS (continued)

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 427745
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	SUNDANCE SERVICES, INC [fKJ1600527371]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	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)	Not answered.
<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: Ty Thompson Email: ty.thompson@teamoperating.com Date: 02/03/2025
<i>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.</i>	

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QUESTIONS, Page 5

Action 427745

QUESTIONS (continued)

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 427745
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 427745

QUESTIONS (continued)

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 427745
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	405975
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/27/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	1050

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1085
What was the total volume (cubic yards) remediated	180
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1085
What was the total volume (in cubic yards) reclaimed	180
Summarize any additional remediation activities not included by answers (above)	Area remediated within 90 days of release, conforming to all standards, please see closure report.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Ty Thompson Email: ty.thompson@teamoperating.com Date: 02/03/2025

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

QUESTIONS, Page 7

Action 427745

QUESTIONS (continued)

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 427745
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1085
What was the total volume of replacement material (in cubic yards) for this site	180
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseedling commence(d)	04/01/2025
Summarize any additional reclamation activities not included by answers (above)	Reseeding will commence under favorable spring conditions.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Ty Thompson Email: ty.thompson@teamoperating.com Date: 02/03/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
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QUESTIONS, Page 8

Action 427745

QUESTIONS (continued)

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 427745
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 427745

CONDITIONS

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 427745
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Reclamation/Remediation Closure Report for Incident #NAPP2427552444 LMPSU BATTERY #2 INJECTION LINE, thank you. This Reclamation/Remediation Closure Report is approved. On future Reclamation Reports, make sure at least one (1) representative 5-point composite sample is collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. Also, please make sure the area is back, as nearly as practical, to the original condition or the final land use (include photos) and maintain those areas to control dust and minimize erosion to the extent practical. Future Reclamation Reports will be denied if this does not occur.	2/11/2025