Remediation Summary and Deferral Request

FAE II Operating, LLC
McKinney #1 SWD
Lea County, New Mexico
Unit Letter "A", Section 36, Township 24 South, Range 36 East
Latitude 32.178816 North, Longitude 103.212075 West
NMOCD Incident # nAPP2400951374

Prepared For:

FAE II Operating, LLC
11757 Katy Freeway, Suite 725
Houston, TX 77079

Prepared By:

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April 2025

Daniel Dominguez
Environmental Director
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Table Of Contents

The following *Remediation Summary and Deferral Request* serves as a condensed update on field activities undertaken at the afore referenced Site.

Background:

The site is located in Unit Letter A (NE/NE), Section 36, Township 24 South, Range 36 East, approximately twenty miles South of Eunice, in Lea County, New Mexico. The property is located on New Mexico State Trust Land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred in a tank battery; Latitude 32.178816 North, Longitude 103.212075 West. The NMOCD Form C-141 indicated that on December 27, 2023 approximately 320 bbls of produced water were released to a partially lined containment due to an electrical failure. Approximately 315 bbls of fluid were recovered. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Permitting Portal.

NMOCD Site Classification:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Approximate depth to groundwater was determined using maintained and published water well data. Karst mapping indicates the site is located in a Low Karst designated area. Depth to groundwater information is provided as Attachment III and the results are depicted on Figures 2 and 3.

No water wells were located within a half mile of the release area. Therefore, the site will be remediated according to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

Depth to Groundwater	Constituent	Method	Limit
<50’	Chloride	EPA 300.0 or SM4500 CLB	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	100 mg/kg
	BTEX	EPA SW-846 Methods 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Methods 8021B or 8260B	10 mg/kg

A United States Department of Agriculture (USDA) Web Soil Survey was completed to determine soil types in the area of remediation. Web Soil Survey indicates the area is located in the Berino-Cacique loamy fine sands comprised of loamy fine sand and sandy clay loam soils with 0 to 3 percent slopes. As the affected area is located on a well pad, no re-seeding will be required. Karst, Wetland, and Soil Maps are provided as Attachment I.

Remediation Activities:

On March 11, 2024, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the release area. On March 28, 2024 Hungry Horse personnel conducted delineation sampling. During sampling, sample test trenches were advanced throughout the affected area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, sample test trenches were advanced along the outside edges of the affected area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the sample test trenches, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data noted above and provided in Attachment V, twenty representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP6, HZ1 through HZ4, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SP1 through SP6, at Surface, which exhibited chloride and/or TPH concentrations in excess of NMOCD Closure Criteria.

From August 22 through September 16, 2024, the release area was excavated. Excavated contaminated soil was temporarily stockpiled onsite, within the release area, before transport to an NMOCD approved disposal facility. Site photographs are provided as Attachment IV. On September 27, 2024, Hungry Horse LLC notified NMOCD that thirty-three closure samples would be collected on October 1, 2024. Correspondence is provided as Attachment II.

On October 1, 2024, thirty-three composite confirmation soil samples were collected from the excavation floor and sidewalls, with each sample representing no more than 200 square feet. Soil samples FL1 through FL13 and SW1 through SW20, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. A soil sample was also collected from the backfill pit and submitted to the laboratory for analysis. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SW4, SW5, and SW12 – SW16, which exhibited TPH and/or chloride concentrations in excess of NMOCD Closure Criteria. Contaminated soil left in-situ beneath process equipment, extending to approximately ten feet bgs, based on delineation sampling, will be remediated and location fully reclaimed upon facility P&A.

The final excavated areas totaled approximately two thousand six-hundred square feet and ten feet in depth. During remediation activities approximately 1,000 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility.

Delineation Sample Map and Excavation Sample Map, are provided as Figure 4 and Figure 5, respectively. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment VII.

Sampling Procedure and Identification:

During confirmation sampling, five-point composite soil samples were collected from the floor of the excavation, each collected sample representing an area no greater than 200 square feet. These sample locations are identified by FL designation. Five-point composite soil samples were also collected from the sidewalls of the excavation, with each collected sample representing an area no greater than 200 square feet. These sample locations are identified by SW designation.

Excavation sidewall samples SW1 through SW20 were collected as five-point composite samples collected from the sidewalls of the excavation, from the excavation surface to the excavation floor. Sidewall samples SW4, SW5, and SW12 – SW16 were collected from the interior sidewalls where contaminated soil could not be removed without a major facility deconstruction. Excavation Sample Map, provided as Figure 5, depicts sidewall sample locations.

Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, the excavation has been backfilled with locally sourced, clean, non-impacted material. The area was contoured to achieve erosion control and preserve surface water flow. Containment berms have been rebuilt to contain 1.5 times the volume of the tank. As the affected area is located within tank battery containment, no re-seeding will be required.

Cultural and Biological Compliance:

A regulatory review of the location utilizing the Information for Planning and Consultation (IPaC) website was completed to determine potential NM Resource impacts. The only NM Resource impacted by this project is the Lesser Prairie Chicken. However, timing restrictions were not enforced as our work schedule was outside the breeding season. IPaC Resource List provided as Attachment VI.

As the remediation area does not extend beyond the tank battery pad, an ARMS review and SPSS survey were not conducted. Therefore, remediation activities did not extend beyond the previously disturbed areas designated for remediation. Compliance with CPP Rule was maintained throughout remediation activities. No cultural materials were encountered during the remediation process.

Deferral Request:

Remediation activities were conducted in accordance with applicable NMOCD Regulations. As much contaminated soil as practicable, affected above the NMOCD Closure Criteria, has been excavated and hauled to an NMOCD approved facility for disposal. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria, with exception of sidewall samples SW4, SW5, and SW12 – SW16, which exhibited TPH and/or chloride concentrations in excess of NMOCD Closure Criteria. Deferral areas are depicted on Figure 5 – Excavation Sample Map.

Per paragraph (2) of subsection C of 19.15.29.12 NMAC, a portion of contamination remains immediately under production equipment where remediation would cause a major facility deconstruction. As the lateral and vertical extents of the release area will have been fully delineated, a deferral of the remaining contamination is requested until such time as the well or facility is plugged or abandoned. Contamination in-situ does not cause an imminent risk to human health, the environment, or groundwater. Approximately 630 cy, remain directly beneath production equipment and will be remediated upon facility closure.

Based on laboratory analytical results, FAE II Operating, LLC respectfully requests closure of the McKinney #1 SWD location, nAPP2400951374.

Limitations:

Hungry Horse, LLC, has prepared this *Remediation Summary and Deferral Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Hungry Horse has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Hungry Horse has not conducted an independent examination of the facts contained in referenced materials and statements. Hungry Horse has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Hungry Horse notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

Distribution:

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Oil Conservation Division, District 2
811 S. First St.
Artesia, NM 88210

New Mexico State Land Office
602 N. Canal. Suite B
Carlsbad, NM 88220

Figures

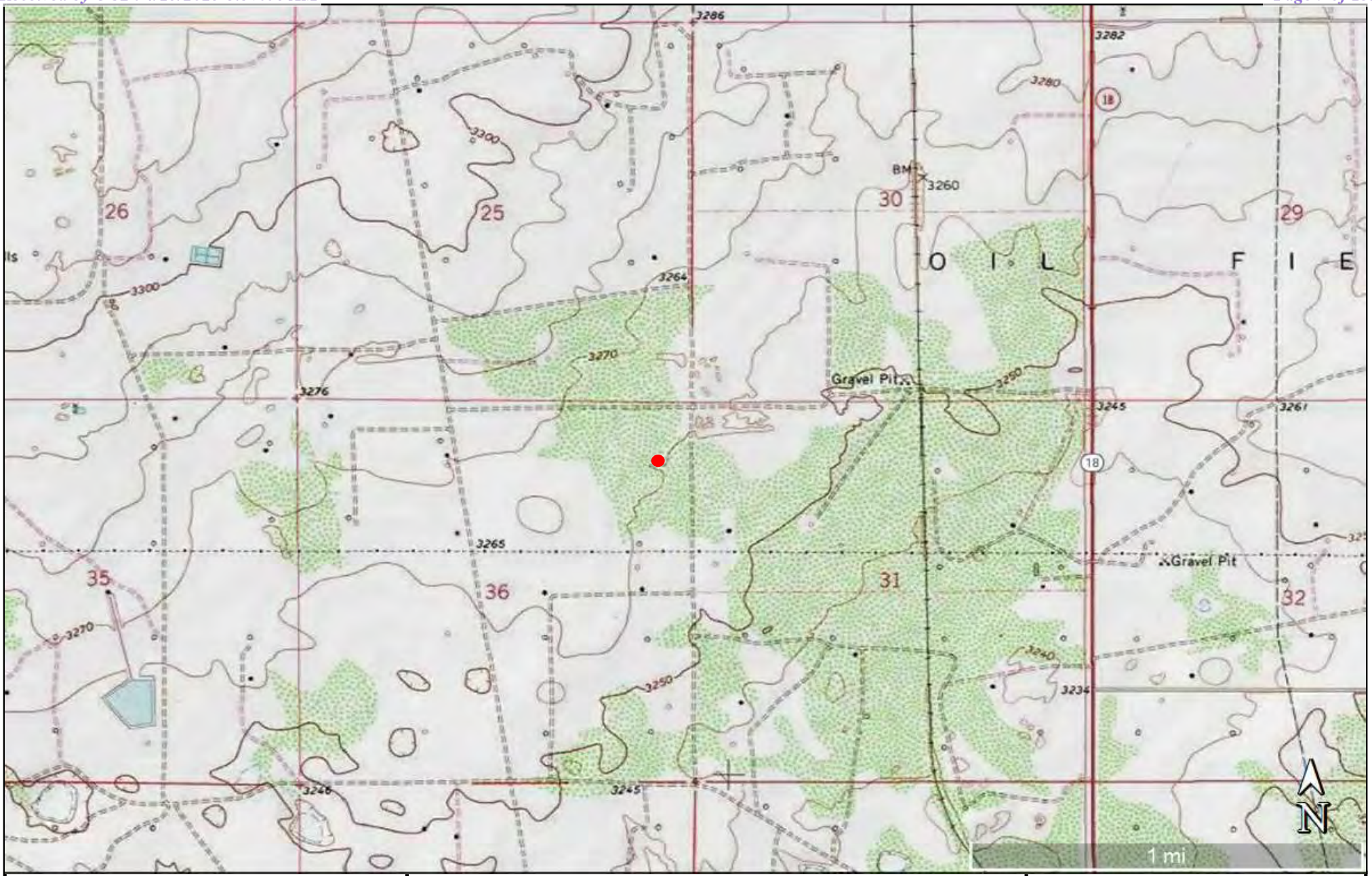


Figure 1
Topographic Map
FAE II Operating, LLC
McKinney #1 SWD
GPS: 32.178816, -103.212075
Lea County

Legend:
- McKinney #1 SWD Location

Drafted: dd
Checked: km
Date: 8/21/24

HUNGRY HORSE ENVIRONMENTAL & CONSTRUCTION

Figure 2
OSE POD Locations Map
FAE II Operating, LLC
McKinney #1 SWD
GPS: 32.178816, -103.212075
Lea County

Legend:
- McKinney #1 SWD Location

Drafted: dd
Checked: km
Date: 8/21/24

HUNGRY HORSE ENVIRONMENTAL & CONSTRUCTION

Figure 3
USGS Well Locations Map
FAE II Operating, LLC
McKinney #1 SWD
GPS: 32.178816, -103.212075
Lea County

Legend:
- McKinney #1 SWD Location

Drafted: dd
Checked: km
Date: 8/21/24

HUNGRY HORSE ENVIRONMENTAL & CONSTRUCTION

Figure 4
Delineation Sample Map
FAE II Operating, LLC
McKinney #1 SWD
GPS: 32.178816, -103.212075
Lea County

Legend:
Release Area
SP1 Delineation Sample Location

Image Source: https://www.arcgis.com/apps/mapviewer/index.html?webmap=14675403c37948129acb758138f2dd1e

Drafted: dd
Checked: jh
Date: 4/7/25

HUNGRY HORSE ENVIRONMENTAL & CONSTRUCTION

Figure 5

Excavation Sample Map

FAE II Operating, LLC

McKinney #1 SWD

GPS: 32.178816, -103.212075

Lea County

Legend:

- Excavated Area
- FL1 — Composite Confirmation Sample Location
- SW1 — Sample Locations Identified for Deferral

Image Source: https://www.arcgis.com/apps/mapviewer/index.html?webmap=14675403c37948129acb758138f2dd1e

Drafted: dd

Checked: jh

Date: 4/7/25

HUNGRY HORSE ENVIRONMENTAL & CONSTRUCTION

Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
FAE II Operating, LLC
McKinney #1 SWD
NMOCD Ref. #: nAPP2400951374

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (mg/kg)	Chloride (mg/kg)
SP1	3/28/24	Surf	Excavated	<0.050	<0.300	<50.0	14,000	14,000	4,380	**18,380**	**15,000**
	3/28/24	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP2	3/28/24	Surf	Excavated	<0.050	1.58	347	25,400	25,747	6,020	**31,767**	272
	3/28/24	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
SP3	3/28/24	Surf	Excavated	<0.050	<0.300	<50.0	8,880	8,880	3,000	**11,880**	**5,760**
	3/28/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
SP4	3/28/24	Surf	Excavated	<0.050	<0.300	<50.0	4,560	4,560	3,460	**8,020**	**5,440**
	3/28/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
SP5	3/28/24	Surf	Excavated	<0.050	<0.300	<10.0	237	237	310	**547**	**5,040**
	3/28/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
SP6	3/28/24	Surf	Excavated	<0.050	<0.300	<50.0	12,100	12,100	9,000	**21,100**	432
	3/28/24	8	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
HZ1	3/28/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
	3/28/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ2	3/28/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	3/28/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ3	3/28/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
	3/28/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ4	3/28/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
	3/28/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**N/A**	**-**	**100**	**600**

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

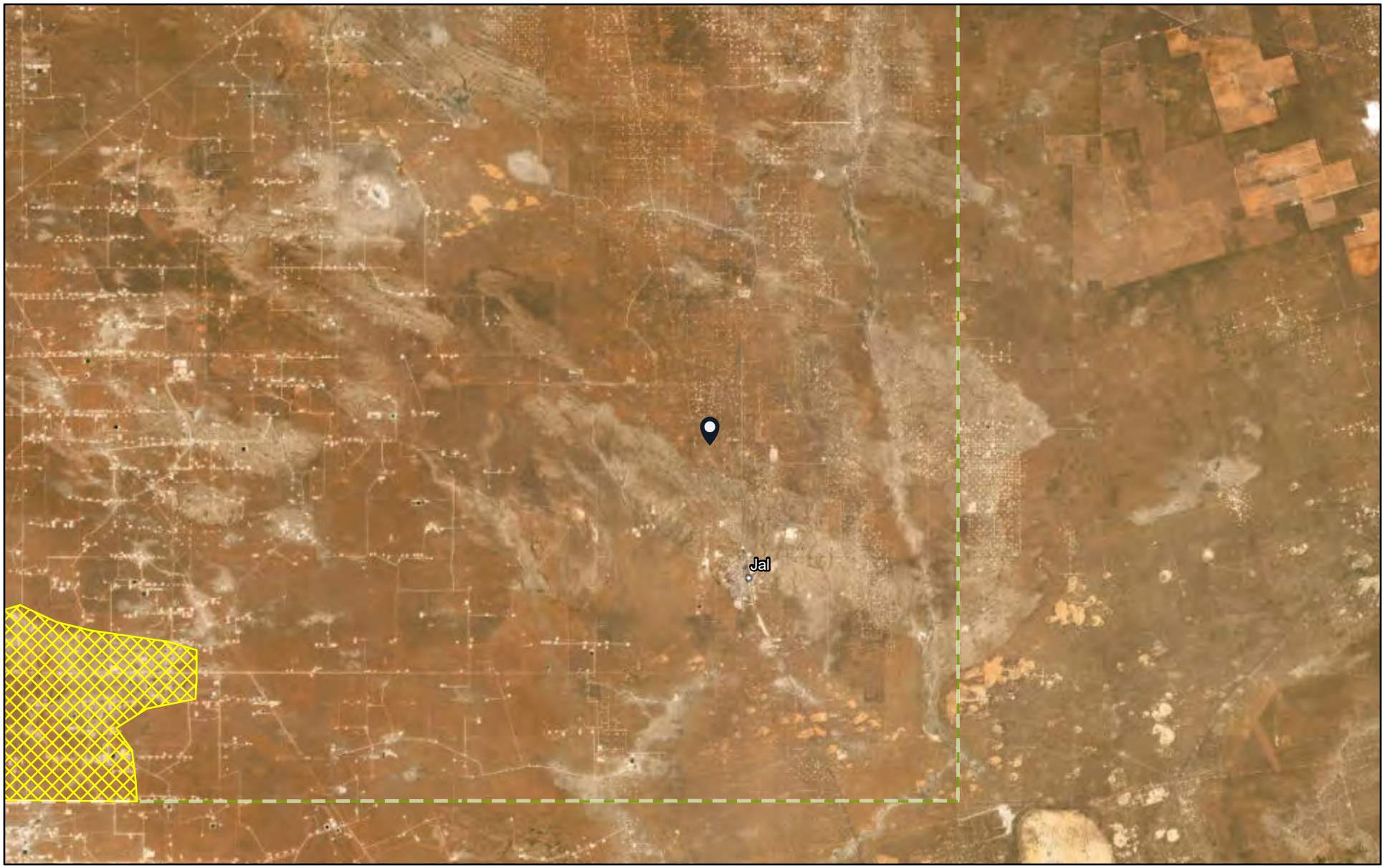
TABLE 1
Summary of Soil Sample Laboratory Analytical Results
FAE II Operating, LLC
McKinney #1 SWD
NMOCD Ref. #: nAPP2400951374

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (mg/kg)	Chloride (mg/kg)
FL1	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL2	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL3	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL4	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL5	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL6	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL7	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL8	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL9	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL10	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL11	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL12	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL13	10/1/24	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW1	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW2	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW3	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW4	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	57.8	57.8	64.2	**122**	496
SW5	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	3,050	3,050	1,760	**4,810**	336
SW6	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW7	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW8	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW9	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW10	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW11	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW12	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	2,670	2,670	1,650	**4,320**	448
SW13	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	20,600	20,600	9,370	**29,970**	**1,090**
SW14	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	66.6	66.6	84.7	**151.3**	464
SW15	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	6,100	6,100	3,590	**9,690**	**624**
SW16	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	101	101	114	**215**	**848**
SW17	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW18	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW19	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW20	10/1/24	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
Backfill Pit	10/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**N/A**	**-**	**100**	**600**

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I
Karst, Wetland, LPC, and Soil Maps

McKinney #1



4/7/2025

BLM NM CFO Karst Potential Polys

Not Karst

Medium

World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

75m Resolution Metadata

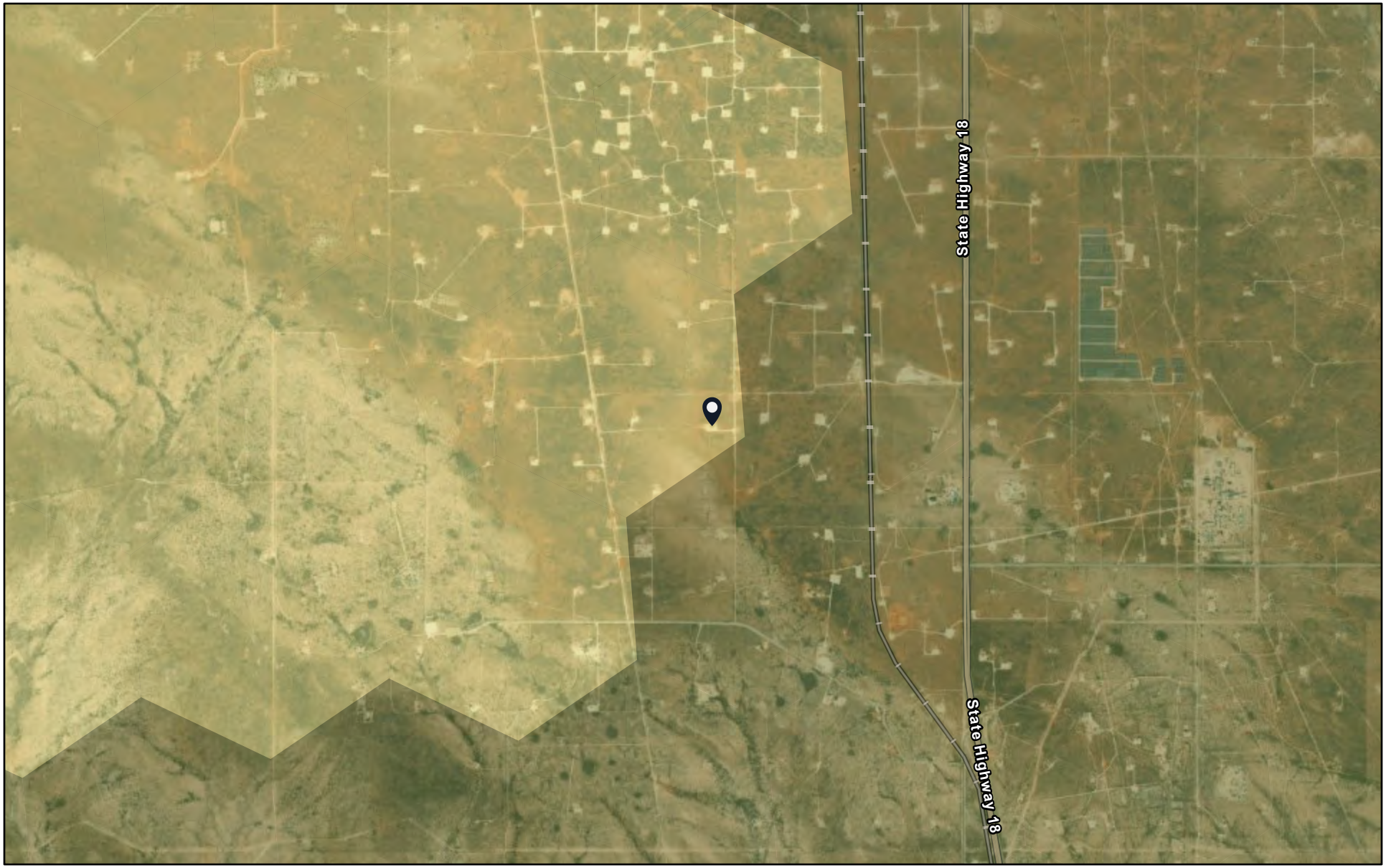
1:357,779

0 2.5 5 10 mi

0 4 8 16 km

Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

McKinney #1



4/8/2025

CHAT 3: modeled available/potential LPC habitat

CHAT 4: modeled LPC non-habitat

World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

9.6m Resolution Metadata

1:44,722

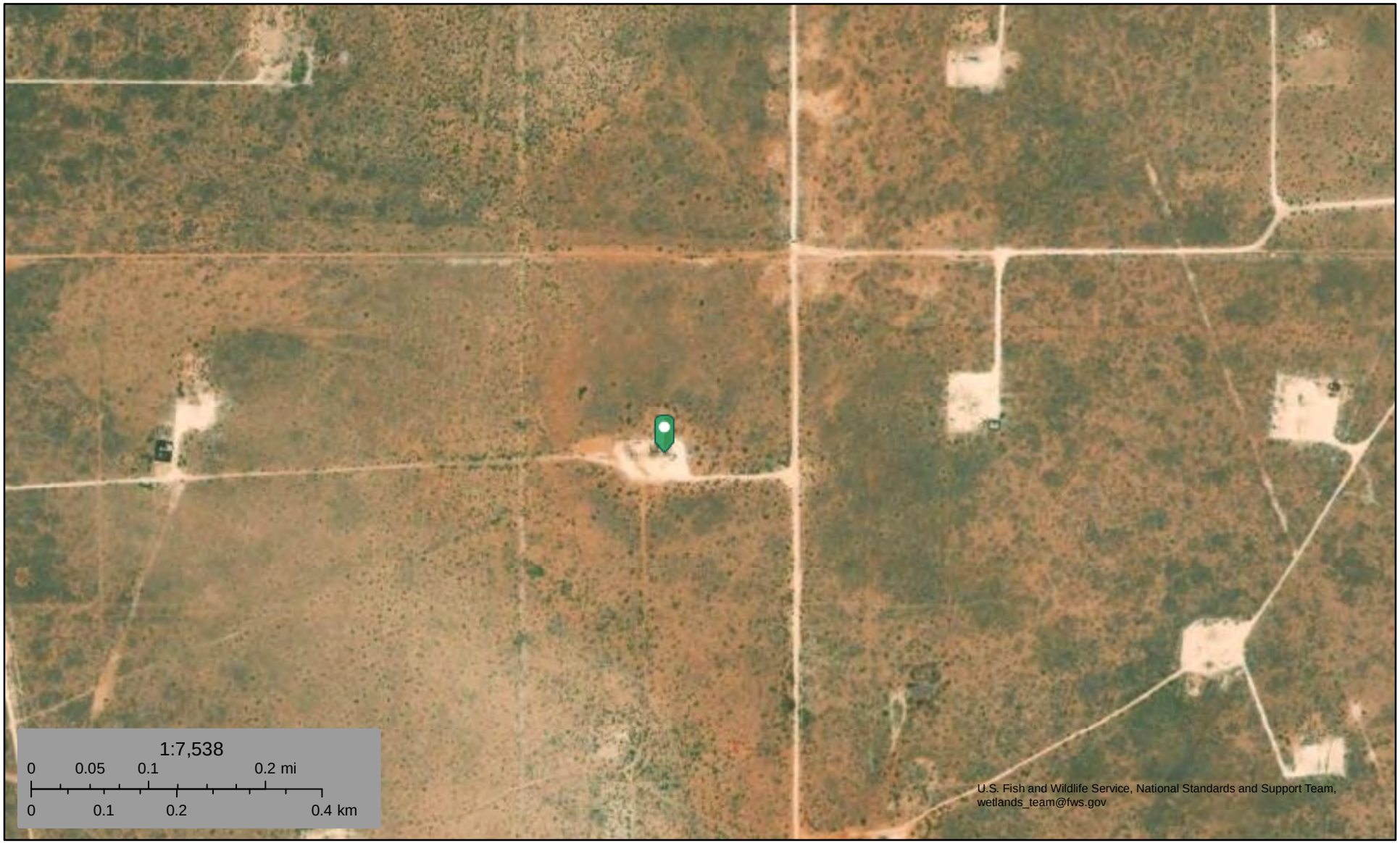
0 0.33 0.65 1.3 mi

0 0.5 1 2 km

U.S. Geological Survey Open-File Report 2004-1352, Caves and Karst in the U.S. National Park Service, AGI Karst Map of the US., Sources: Esri,

U.S. Fish and Wildlife Service
National Wetlands Inventory

McKinney #1 SWD



November 5, 2024

Wetlands

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

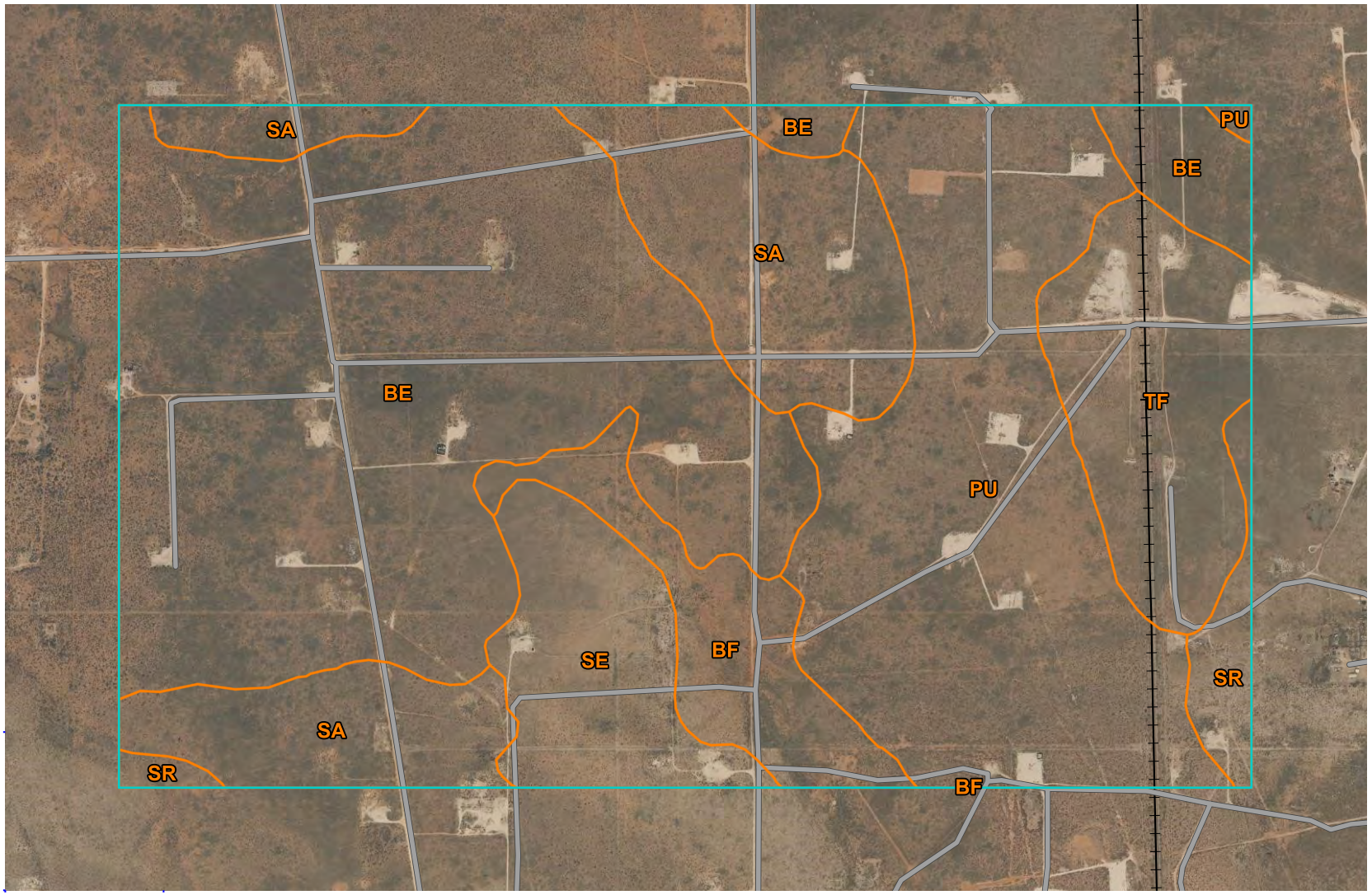
Soil Map—Lea County, New Mexico
(McKinney #1 SWD)

103° 13' 44" W

103° 11' 41" W

32° 11' 17" N

32° 10' 9" N



Map Scale: 1:14,800 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 200 400 800 1200

Feet
0 500 1000 2000 3000

Map projection: Web Mercator Corner coordinates: WGS84

Soil Map—Lea County, New Mexico
(McKinney #1 SWD)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

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

Background
- Aerial Photography

MAP INFORMATION

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

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: Feb 7, 2020—May 12, 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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	424.3	39.6%
BF	Berino-Cacique fine sandy loams association	57.5	5.4%
PU	Pyote and Maljamar fine sands	248.9	23.2%
SA	Sharvana loamy fine sand, dry	159.4	14.9%
SE	Simona fine sandy loam, 0 to 3 percent slopes	69.3	6.5%
SR	Simona-Upton association	21.7	2.0%
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	90.5	8.4%
Totals for Area of Interest		**1,071.7**	**100.0%**

Lea County, New Mexico

BE—Berino-Cacique loamy fine sands association

Map Unit Setting

National map unit symbol: dmpd
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 13 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 50 percent
Cacique and similar soils: 40 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

Typical profile

A - 0 to 6 inches: loamy fine sand
Btk - 6 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Cacique

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: loamy fine sand
Bt - 12 to 28 inches: sandy clay loam
Bkm - 28 to 38 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: C
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Minor Components

Maljamar

Percent of map unit: 6 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Palomas

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

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

Attachment II
NMOCD Correspondence

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 387886

QUESTIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 387886
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2400951374**
Incident Name	**NAPP2400951374 MCKINNEY #001 SWD @ 30-025-09709**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-09709] MCKINNEY #001**

Location of Release Source	
Site Name	**MCKINNEY #001 SWD**
Date Release Discovered	**12/27/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,500
What is the estimated number of samples that will be gathered	33
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/01/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jerry Heidelberg (575) 390-3639 will be collecting 33 total samples, 23 floor samples and 20 sidewall samples.
Please provide any information necessary for navigation to sampling site	Site Location: 32.178813, -103.212080

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 387886
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
alexbolanos	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.	9/27/2024

Attachment III
Depth to Groundwater

New Mexico Office of the State Engineer

Wells With Well Log Information

No report data available.

UTM Filters (in meters):

Easting: 668562.41
Northing: 3561657.27
Radius: 805

*** UTM location was derived from PLSS - see Help**

Attachment IV
Site Photographs

Photographs

Photo: 1	Description: Tank Battery

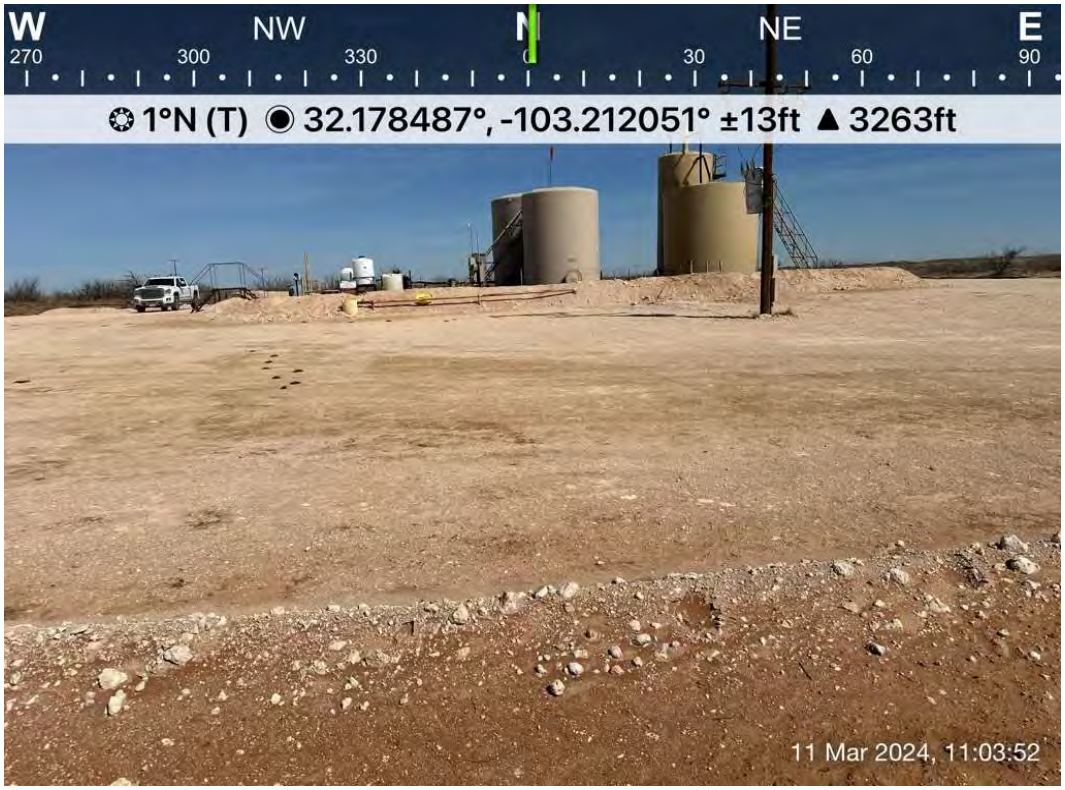
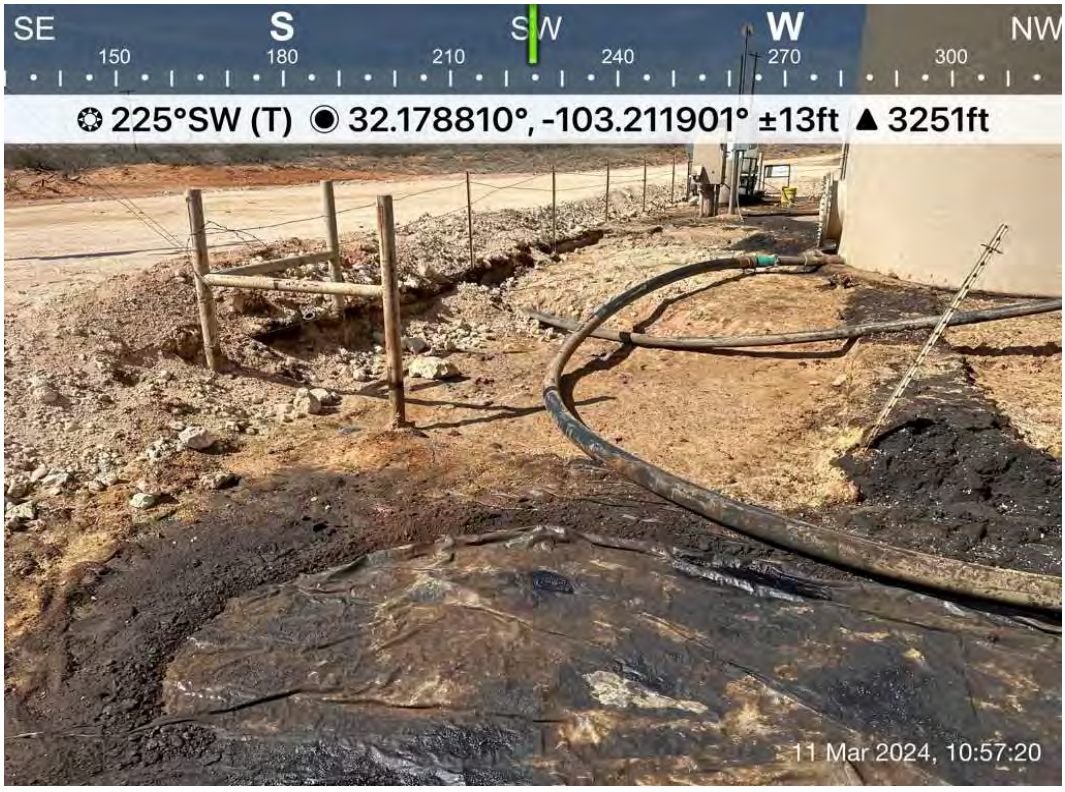


Photo: 2	Description: Release area.

Photographs

Photo: 3	Description: Release area.

Photo: 4	Description: Release area.



Photographs

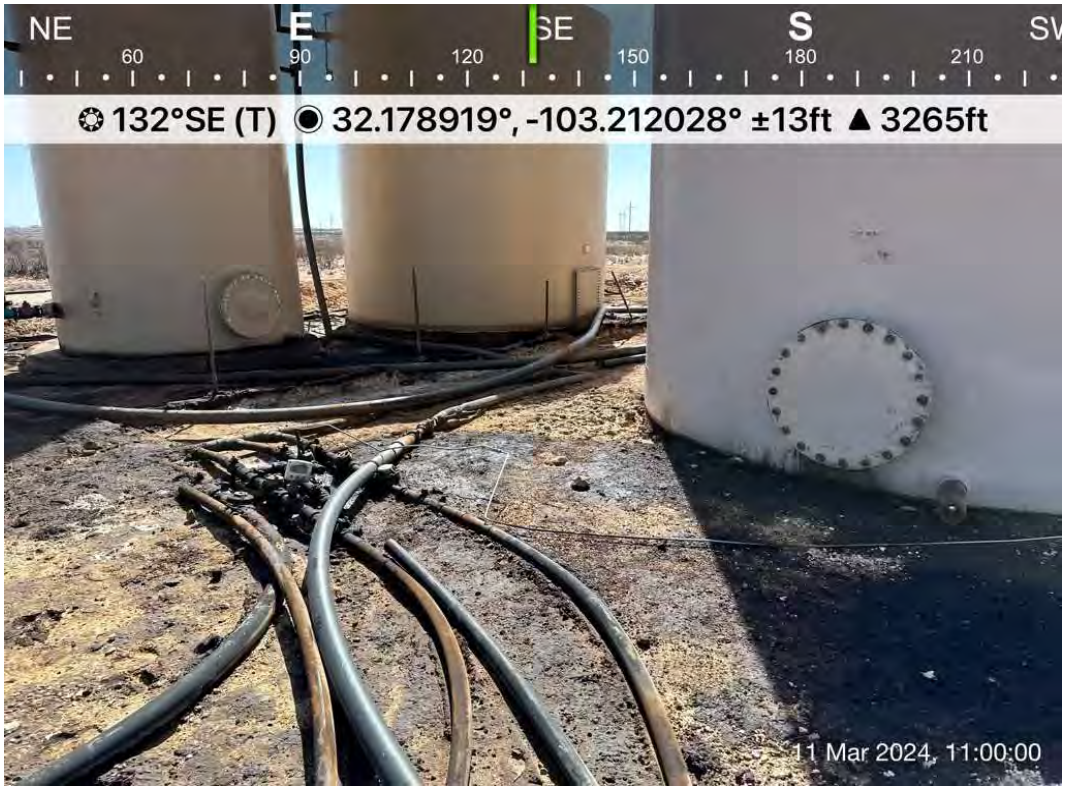
Photo: 5	Description: Release area.

Photo: 6	Description: Release area.

Photographs

Photo: 7	Description: Release area.

Photo: 8	Description: Release area.



Photographs

Photo: 9	Description: Excavation

Photo: 10	Description: Excavation

Photographs

Photo: 11	Description: Excavation

Photo: 12	Description: Excavation

Photographs

Photo: 13	Description: Backfill

Photo: 14	Description: Backfill

Photographs

Photo: 15	Description: Backfilled

Photo: 16	Description: Backfill

Photographs

Photo: 17	Description: Backfill

Photo: 18	Description: Backfill

Photographs

Photo: 19	Description: Backfill

Photo: 20	Description: Backfilled

Photographs

Photo: 21	Description: Backfilled

Photo: 22	Description: Backfilled

Attachment V
Field Data

Sample Log

Hungry Horse, LLC
Project: McKinney #1
Karst: Yes Water: >100'
Standard: TPH 100mg/kg, Chloride 600mg/kg

Date: 3-28-24
GPS: 32.178816, -103.212075
Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
HZ 1	Surf	No	3.2@103X4=412	
	1'		1.8@43X4=172	
HZ2	Surf	No	2.0@49X4=196	
	1'		1.6@36X4=144	
HZ3	Surf	No	2.6@73X4=292	
	1'		3.0@92X4=368	
HZ4	Surf	No	1.4@30X4=120	
	1'		1.2>100	
SP1	Surf	Yes	8.0H@3137X4=12,548	12' No 3.6@125X4=500
	1'	Yes	5.4H@1135X4=5,340	
	2'	Yes	5.4H@1135X4=5,340	
	3'	Yes	4.8@208X4=832	
	4'	Yes	6.4@367X4=1,488	
	6'	Yes	4.0@151X4=604	
	8'	Yes	3.6@125X4=500	
	10'	Yes	4.0@151X4=604	
SP2	Surf	Yes	2.2@57X4=228	12' Yes 3.8@138X4=552
	1'	Yes	6.2H@1537X4=6,148	
	2'	Yes	5.4H@1135X4=5,340	
	3'	Yes	4.4@178X4=712	
	4'	Yes	6.0@328X4=1,312	
	6'	Yes	5.2@245X4=980	
	8'	Yes	4.6@194X4=776	
	10'	Yes	4.2@165X4=660	
SP3	Surf	Yes	7.8@620X4=2,480	
	1'	Yes	5.4H@1215X4=7,860	
	2'	Yes	5.8@299X4=1,196	
	3'	Yes	6.0@328X4=1,312	
	4'	Yes	5.6@284X4=1,136	
	6'	Yes	5.4@264X4=1,056	
	8'	Yes	5.0@227X4=980	
	10'	NO	2.8@83X4=332	
SP4	Surf	Yes	6.0H@1426X4=5,704	
	1'	Yes	3.2H@439X4=1,756	
	2'	Yes	7.2@498X4=1,992	
	3'	Yes	6.4@377X4=1,508	

Sample Point = SP1 @ ## etc
Floor = FL1 etc
Sidewall = SW1 etc

Horizontal = HZ1 etc
Refusal = SP1 @ 4'-R
GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##
Resamples= SP1b @ 5' or SW #1b
Stockpile = Stockpile #1

Sample Log

Hungry Horse, LLC

Project: McKinney #1 Date:

Karst: Yes Water: >100' GPS: 32.178816, -103.212075

Standard: TPH 100mg/kg, Chloride 600mg/kg Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
SP4	4'	Yes	5.2@245X4=980	
	6'	Yes	4.8@210X4=840	
	8'	No	4.4@179X4=716	
	10'	No	2.8@83X4=332	
SP5	Surf	Yes	3.8@138X4=552	
	1'	Yes	7.8H@2876X4=11,504	
	2'	Yes	6.8H@1929X4=7,716	
	3'	Yes	4.8H@897X4=3,588	
	4'		7.2@498X4=1,992	
	6'		6.0@404X4=1,616	
	8'		6.8@433X4=1,732	
	10'		3.8@138X4=552	
SP6	Surf	Yes	4.6H@827X4=3,308	
	1'		4.8@210X4=840	
	2'		2.8@83X4=332	
	3'		5.6@284X4=1,136	
	4'		4.8@210X4=840	
	6'		4.4@179X4=716	
	8'		3.8@138X4=552	
	10'			

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples= SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Attachment VI
IPaC Resource List

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Project information

NAME

McKinney #1

LOCATION

Lea County, New Mexico

DESCRIPTION

None

Local office

New Mexico Ecological Services Field Office

(505) 346-2525
(505) 346-2542

2105 Osuna Road Ne
Albuquerque, NM 87113-1001

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Lesser Prairie-chicken Tympanuchus pallidicinctus No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1924	Endangered
Northern Aplomado Falcon Falco femoralis septentrionalis No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1923	EXPN

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act [2] and the Migratory Bird Treaty Act (MBTA) [1]. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The data in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the Supplemental Information on Migratory Birds and Eagles document to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide avoidance and minimization measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

Bald & Golden Eagles FAQs

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are an eagle (Bald and Golden Eagle Protection Act requirements may apply).

Proper interpretation and use of your eagle report

On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide you in knowing when to implement avoidance and minimization measures to eliminate or reduce potential impacts from your project activities or get the appropriate permits should presence be confirmed.

How do I know if eagles are breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the RAIL Tool and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If an eagle on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in

your “IPaC PROBABILITY OF PRESENCE SUMMARY” at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:
The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Migratory birds

The Migratory Bird Treaty Act (MBTA) [1] prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The Service interprets the MBTA to prohibit incidental take.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

Measures for Proactively Minimizing Migratory Bird Impacts

Your IPaC Migratory Bird list showcases birds of concern, including Birds of Conservation Concern (BCC), in your project location. This is not a comprehensive list of all birds found in your project area. However, you can help proactively minimize significant impacts to all birds at your project location by implementing the measures in the Nationwide avoidance and minimization measures for birds document, and any other project-specific avoidance and minimization measures suggested at the link Measures for avoiding and minimizing impacts to birds for the birds of concern on your list below.

Ensure Your Migratory Bird List is Accurate and Complete

If your project area is in a poorly surveyed area, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the Supplemental Information on Migratory Birds and Eagles document, to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

Review the FAQs

The FAQs below provide important additional information and resources.

NAME	BREEDING SEASON
Long-eared Owl asio otus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3631	Breeds Mar 1 to Jul 15

Northern Harrier Circus hudsonius Breeds Apr 1 to Sep 15

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/8350

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

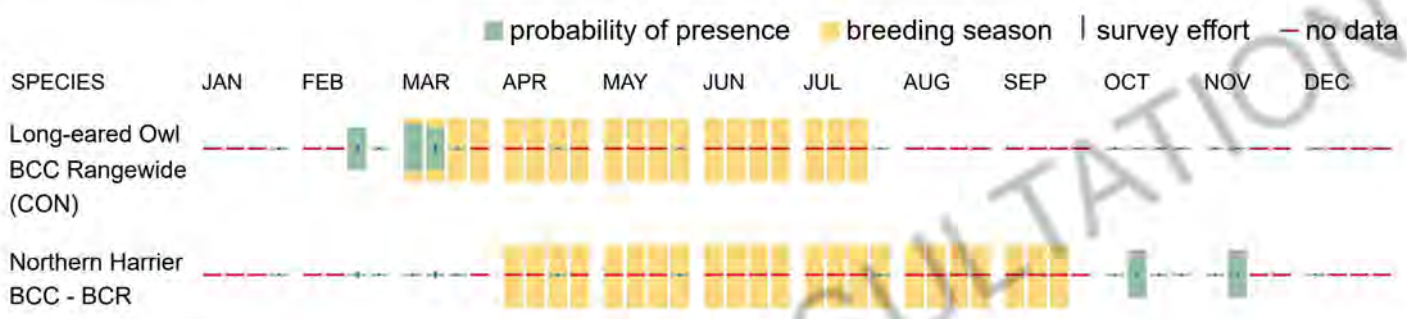
Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Migratory Bird FAQs

Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Avoidance & Minimization Measures for Birds describes measures that can help avoid and minimize impacts to all birds at any location year-round. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is one of the most effective ways to minimize impacts. To see when birds are most likely to occur and breed in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location, such as those listed under the Endangered Species Act or the Bald and Golden Eagle Protection Act and those species marked as “Vulnerable”. See the FAQ “What are the levels of concern for migratory birds?” for more information on the levels of concern covered in the IPaC migratory bird species list.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) with which your project intersects. These species have been identified as warranting special attention because they are BCC species in that area, an eagle (Bald and Golden Eagle Protection Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, and to verify survey effort when no results present, please visit the Rapid Avian Information Locator (RAIL) Tool.

Why are subspecies showing up on my list?

Subspecies profiles are included on the list of species present in your project area because observations in the AKN for **the species** are being detected. If the species are present, that means that the subspecies may also be present. If a subspecies shows up on your list, you may need to rely on other resources to determine if that subspecies may be present (e.g. your local FWS field office, state surveys, your own surveys).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the RAIL Tool and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Bald and Golden Eagle Protection Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially BCC species. For more information on avoidance and minimization measures you can implement to help avoid and minimize migratory bird impacts, please see the FAQ "Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Proper interpretation and use of your migratory bird report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list does not represent all birds present in your project area. It is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide implementation of avoidance and minimization measures to eliminate or reduce potential impacts from your project activities, should presence be confirmed. To learn more about avoidance and minimization measures, visit the FAQ "Tell me about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Interpreting the Probability of Presence Graphs
Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:
The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Attachment VII
Laboratory Analytical Results

CARDINAL Laboratories

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

April 05, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MCKINNEY #1

Enclosed are the results of analyses for samples received by the laboratory on 04/01/24 8:09.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SP1 - SURF (H241653-01)

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	04/04/2024	ND	1.90	95.0	2.00	3.97	
Toluene*	<0.050	0.050	04/04/2024	ND	1.91	95.6	2.00	3.26	
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	1.83	91.4	2.00	3.72	QM-07
Total Xylenes*	<0.150	0.150	04/04/2024	ND	5.56	92.7	6.00	3.24	QM-07
Total BTEX	<0.300	0.300	04/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *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	**15000**	16.0	04/03/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	04/03/2024	ND	209	105	200	0.942	
DRO >C10-C28*	**14000**	50.0	04/03/2024	ND	213	107	200	0.843	
EXT DRO >C28-C36	**4380**	50.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane *117 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *277 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SP1 - 12' (H241653-02)

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	04/03/2024	ND	1.90	95.0	2.00	3.97	
Toluene*	<0.050	0.050	04/03/2024	ND	1.91	95.6	2.00	3.26	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	1.83	91.4	2.00	3.72	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.56	92.7	6.00	3.24	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**16.0**	16.0	04/03/2024	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	04/02/2024	ND	209	105	200	0.942	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	213	107	200	0.843	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane *131 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *136 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SP2 - SURF (H241653-03)

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	04/04/2024	ND	1.90	95.0	2.00	3.97	
Toluene*	<0.050	0.050	04/04/2024	ND	1.91	95.6	2.00	3.26	
Ethylbenzene*	<0.050	0.050	04/04/2024	ND	1.83	91.4	2.00	3.72	
Total Xylenes*	**1.58**	0.150	04/04/2024	ND	5.56	92.7	6.00	3.24	GC-NC1
Total BTEX	**1.58**	0.300	04/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *171 %* *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	**272**	16.0	04/03/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**347**	50.0	04/03/2024	ND	209	105	200	0.942	
DRO >C10-C28*	**25400**	50.0	04/03/2024	ND	213	107	200	0.843	
EXT DRO >C28-C36	**6020**	50.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane *178 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *412 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SP2 - 12' (H241653-04)

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	04/03/2024	ND	1.90	95.0	2.00	3.97	
Toluene*	<0.050	0.050	04/03/2024	ND	1.91	95.6	2.00	3.26	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	1.83	91.4	2.00	3.72	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.56	92.7	6.00	3.24	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**336**	16.0	04/03/2024	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	04/03/2024	ND	209	105	200	0.942	
DRO >C10-C28*	<10.0	10.0	04/03/2024	ND	213	107	200	0.843	
EXT DRO >C28-C36	<10.0	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *120 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SP3 - SURF (H241653-05)

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	04/03/2024	ND	1.90	95.0	2.00	3.97	
Toluene*	<0.050	0.050	04/03/2024	ND	1.91	95.6	2.00	3.26	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	1.83	91.4	2.00	3.72	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.56	92.7	6.00	3.24	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *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	**5760**	16.0	04/03/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	04/03/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	**8880**	50.0	04/03/2024	ND	186	93.2	200	3.70	QM-07, QR-03
EXT DRO >C28-C36	**3000**	50.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane *109 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *254 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SP3 - 10' (H241653-06)

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	04/03/2024	ND	1.90	95.0	2.00	3.97	
Toluene*	<0.050	0.050	04/03/2024	ND	1.91	95.6	2.00	3.26	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	1.83	91.4	2.00	3.72	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.56	92.7	6.00	3.24	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *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	**208**	16.0	04/03/2024	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	04/02/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *123 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SP4 - SURF (H241653-07)

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	04/03/2024	ND	1.90	95.0	2.00	3.97	
Toluene*	<0.050	0.050	04/03/2024	ND	1.91	95.6	2.00	3.26	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	1.83	91.4	2.00	3.72	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.56	92.7	6.00	3.24	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	**5440**	16.0	04/03/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	04/03/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	**4560**	50.0	04/03/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	**3460**	50.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane *119 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *233 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
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Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SP4 - 10' (H241653-08)

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	04/03/2024	ND	1.90	95.0	2.00	3.97	
Toluene*	<0.050	0.050	04/03/2024	ND	1.91	95.6	2.00	3.26	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	1.83	91.4	2.00	3.72	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.56	92.7	6.00	3.24	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**208**	16.0	04/03/2024	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	04/02/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *121 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SP5 - SURF (H241653-09)

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	04/03/2024	ND	1.90	95.0	2.00	3.97	
Toluene*	<0.050	0.050	04/03/2024	ND	1.91	95.6	2.00	3.26	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	1.83	91.4	2.00	3.72	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.56	92.7	6.00	3.24	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**5040**	16.0	04/03/2024	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	04/02/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	**237**	10.0	04/02/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	**310**	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane *86.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SP5 - 10' (H241653-10)

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	04/03/2024	ND	1.90	95.0	2.00	3.97	
Toluene*	<0.050	0.050	04/03/2024	ND	1.91	95.6	2.00	3.26	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	1.83	91.4	2.00	3.72	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.56	92.7	6.00	3.24	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *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	**384**	16.0	04/03/2024	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	04/03/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	<10.0	10.0	04/03/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *119 %* *49.1-148*

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Analytical Results For:

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DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SP6 - SURF (H241653-11)

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	04/03/2024	ND	2.02	101	2.00	8.02	
Toluene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.89	QM-07
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.17	109	2.00	9.23	QM-07
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.80	113	6.00	12.3	QM-07
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *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	**432**	16.0	04/03/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	04/03/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	**12100**	50.0	04/03/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	**9000**	50.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane *88.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *263 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SP6 - 8' (H241653-12)

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	04/03/2024	ND	2.02	101	2.00	8.02	
Toluene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.89	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.17	109	2.00	9.23	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.80	113	6.00	12.3	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *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	**336**	16.0	04/03/2024	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	04/03/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	<10.0	10.0	04/03/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *127 %* *49.1-148*

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CARDINAL Laboratories

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: HZ1 - SURF (H241653-13)

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	04/03/2024	ND	2.02	101	2.00	8.02	
Toluene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.89	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.17	109	2.00	9.23	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.80	113	6.00	12.3	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-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	04/03/2024	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	04/02/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane *84.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.9 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: HZ1 - 1' (H241653-14)

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	04/03/2024	ND	2.02	101	2.00	8.02	
Toluene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.89	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.17	109	2.00	9.23	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.80	113	6.00	12.3	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

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	04/03/2024	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	04/02/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane *97.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

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Analytical Results For:

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DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: HZ2 - SURF (H241653-15)

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	04/03/2024	ND	2.02	101	2.00	8.02	
Toluene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.89	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.17	109	2.00	9.23	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.80	113	6.00	12.3	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

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	04/03/2024	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	04/02/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane *97.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

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Analytical Results For:

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Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: HZ2 - 1' (H241653-16)

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	04/03/2024	ND	2.02	101	2.00	8.02	
Toluene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.89	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.17	109	2.00	9.23	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.80	113	6.00	12.3	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

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	04/03/2024	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	04/02/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane *92.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: HZ3 - SURF (H241653-17)

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	04/03/2024	ND	2.02	101	2.00	8.02	
Toluene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.89	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.17	109	2.00	9.23	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.80	113	6.00	12.3	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-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	04/03/2024	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	04/02/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane *93.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: HZ3 - 1' (H241653-18)

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	04/03/2024	ND	2.02	101	2.00	8.02	
Toluene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.89	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.17	109	2.00	9.23	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.80	113	6.00	12.3	
Total BTEX	<0.300	0.300	04/03/2024	ND					

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

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	04/03/2024	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	04/02/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: HZ4 - SURF (H241653-19)

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	04/03/2024	ND	2.02	101	2.00	8.02	
Toluene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.89	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.17	109	2.00	9.23	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.80	113	6.00	12.3	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-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	04/03/2024	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	04/02/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane *79.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	04/01/2024	Sampling Date:	03/28/2024
Reported:	04/05/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: HZ4 - 1' (H241653-20)

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	04/03/2024	ND	2.02	101	2.00	8.02	
Toluene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.89	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.17	109	2.00	9.23	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.80	113	6.00	12.3	
Total BTEX	<0.300	0.300	04/03/2024	ND					

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

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	04/03/2024	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	04/02/2024	ND	198	99.2	200	2.87	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	186	93.2	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane *77.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Forty Acres				
Project Manager:	Daniel Dominguez				
Address:	PO Box 1058				
City:	Hobbs	State:	NM	Zip:	88241
Phone #:	575 393-3386	Fax #:			
Project #:		Project Owner:	Forty Acres		
Project Name:	McKinney #1				
Project Location:	UL/ A Sec 36 T24S - R36E				
Sampler Name:	Jerry Heidelberg				

BILL TO	
P.O. #:	
Company	Forty Acres
Attn:	Tyler Van Howe
Address:	11757 Katy FWY Suite 725
City:	Houston
State:	TX
Zip:	77079
Phone #:	806-420-8278
Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021
H241053																	
1	SP1-Surf	G	1			X					X		3/28/24		X	X	X
2	SP1-12'	G	1			X					X		3/28/24		X	X	X
3	SP2-Surf	G	1			X					X		3/28/24		X	X	X
4	SP2-12'	G	1			X					X		3/28/24		X	X	X
5	SP3-Surf	G	1			X					X		3/28/24		X	X	X
6	SP3-10'	G	1			X					X		3/28/24		X	X	X
7	SP4-Surf	G	1			X					X		3/28/24		X	X	X
8	SP4-10'	G	1			X					X		3/28/24		X	X	X
9	SP5-Surf	G	1			X					X		3/28/24		X	X	X
10	SP5-10'	G	1			X					X		3/28/24		X	X	X

Relinquished By: Jerry Heidelberg	Date: 4.1.24	Received By: S Rodriguez	
Relinquished By:	Time: 0809	Received By:	
	Date:		
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other: -0.92 #140

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SR

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Email results to: pm@hungry-horse.com
tyler@faenergyus.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Forty Acres				
Project Manager:	Daniel Dominguez				
Address:	PO Box 1058				
City:	Hobbs	State: NM	Zip: 88241		
Phone #:	575 393-3386	Fax #:			
Project #:		Project Owner:	Forty Acres		
Project Name:	McKinney #1				
Project Location:	UL/ A Sec 36 T24S - R36E				
Sampler Name:	Jerry Heidelberg				

BILL TO	
P.O. #:	
Company	Forty Acres
Attn:	Tyler Van Howe
Address:	11757 Katy FWY Suite 725
City:	Houston
State: TX	Zip: 77079
Phone #:	806-420-8278
Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021										
H241653																										
11	SP6-Surf	G	1			X					X		3/28/24		X	X	X									
12	SP6-8'	G	1			X					X		3/28/24		X	X	X									
13	HZ1-Surf	G	1			X					X		3/28/24		X	X	X									
14	HZ1-1'	G	1			X					X		3/28/24		X	X	X									
15	HZ2-Surf	G	1			X					X		3/28/24		X	X	X									
16	HZ2-1'	G	1			X					X		3/28/24		X	X	X									
17	HZ3-Surf	G	1			X					X		3/28/24		X	X	X									
18	HZ3-1'	G	1			X					X		3/28/24		X	X	X									
19	HZ4-Surf	G	1			X					X		3/28/24		X	X	X									
20	HZ4-1'	G	1			X					X		3/28/24		X	X	X									

Relinquished By:	Date: 4.1.24	Received By:	
	Time: 0809		
Relinquished By:	Date:	Received By:	
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: -0.9 ; #140

Sample Condition	CHECKED BY: (Initials)
Cool: ☐ Yes ☐ No	
Intact: ☐ Yes ☐ No	

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Email results to: pm@hungry-horse.com
tyler@faenergyus.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

CARDINAL Laboratories

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

October 07, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MCKINNEY #1

Enclosed are the results of analyses for samples received by the laboratory on 10/01/24 15:04.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 1 - 10' (H245964-01)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *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	**64.0**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *94.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 2 - 10' (H245964-02)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *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	**64.0**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *76.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *65.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 3 - 10' (H245964-03)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *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	**64.0**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *87.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 4 - 10' (H245964-04)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *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	**80.0**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *93.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.5 %* *49.1-148*

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CARDINAL Laboratories

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 5 - 10' (H245964-05)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *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	**112**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *89.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.5 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 6 - 10' (H245964-06)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *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	**96.0**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *80.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *66.8 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
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Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 7 - 10' (H245964-07)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *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	**80.0**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *67.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *55.1 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 8 - 10' (H245964-08)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *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	**96.0**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *91.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *76.5 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 9 - 10' (H245964-09)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *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	**112**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *70.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *67.5 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 10 - 10' (H245964-10)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *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	**80.0**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *92.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.8 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 11 - 10' (H245964-11)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *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	**112**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *90.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.1 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 12 - 10' (H245964-12)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**80.0**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *89.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.8 %* *49.1-148*

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Analytical Results For:

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Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: FL 13 - 10' (H245964-13)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *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	**96.0**	16.0	10/02/2024	ND	400	100	400	3.92	

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	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *89.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 1 (H245964-14)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

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

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *88.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 2 (H245964-15)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

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

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Analytical Results For:

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DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 3 (H245964-16)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

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

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *86.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.0 %* *49.1-148*

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P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 4 (H245964-17)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**496**	16.0	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	**57.8**	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	**64.2**	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *96.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.5 %* *49.1-148*

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DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 5 (H245964-18)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	**3050**	100	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	**1760**	100	10/02/2024	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *166 %* *49.1-148*

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Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 6 (H245964-19)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *99.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.2 %* *49.1-148*

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Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 7 (H245964-20)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *91.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.9 %* *49.1-148*

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Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 8 (H245964-21)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 9 (H245964-22)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

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

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.4 %* *49.1-148*

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Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 10 (H245964-23)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *100 %* *49.1-148*

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Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 11 (H245964-24)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

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

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *99.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 12 (H245964-25)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	**2670**	100	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	**1650**	100	10/02/2024	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *153 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 13 (H245964-26)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1090**	16.0	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	**20600**	100	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	**9370**	100	10/02/2024	ND					

Surrogate: 1-Chlorooctane *117 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *432 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 14 (H245964-27)

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	10/03/2024	ND	2.04	102	2.00	5.61	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	105	2.00	4.62	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	111	2.00	4.45	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.59	110	6.00	4.16	
Total BTEX	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	**66.6**	10.0	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	**84.7**	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 15 (H245964-28)

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	10/03/2024	ND	2.11	105	2.00	4.62	
Toluene*	<0.050	0.050	10/03/2024	ND	2.07	104	2.00	4.53	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	4.41	GC-NC
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.40	107	6.00	4.77	GC-NC
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**624**	16.0	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	10/02/2024	ND	212	106	200	0.514	
DRO >C10-C28*	**6100**	100	10/02/2024	ND	209	105	200	1.46	
EXT DRO >C28-C36	**3590**	100	10/02/2024	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *208 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
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Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 16 (H245964-29)

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	10/03/2024	ND	2.11	105	2.00	4.62	
Toluene*	<0.050	0.050	10/03/2024	ND	2.07	104	2.00	4.53	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	4.41	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.40	107	6.00	4.77	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**848**	16.0	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	220	110	200	2.48	
DRO >C10-C28*	**101**	10.0	10/02/2024	ND	209	104	200	1.80	
EXT DRO >C28-C36	**114**	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *86.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.5 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
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Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 17 (H245964-30)

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	10/03/2024	ND	2.11	105	2.00	4.62	
Toluene*	<0.050	0.050	10/03/2024	ND	2.07	104	2.00	4.53	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	4.41	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.40	107	6.00	4.77	
Total BTEX	<0.300	0.300	10/03/2024	ND					

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

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	220	110	200	2.48	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *94.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.4 %* *49.1-148*

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CARDINAL Laboratories

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 18 (H245964-31)

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	10/03/2024	ND	2.11	105	2.00	4.62	
Toluene*	<0.050	0.050	10/03/2024	ND	2.07	104	2.00	4.53	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	4.41	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.40	107	6.00	4.77	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	220	110	200	2.48	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *91.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.1 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 19 (H245964-32)

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	10/03/2024	ND	2.11	105	2.00	4.62	
Toluene*	<0.050	0.050	10/03/2024	ND	2.07	104	2.00	4.53	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	4.41	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.40	107	6.00	4.77	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	220	110	200	2.48	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *92.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.9 %* *49.1-148*

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Analytical Results For:

Hungry Horse Environmental
DANIEL DOMINGUEZ
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: SW 20 (H245964-33)

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	10/03/2024	ND	2.11	105	2.00	4.62	
Toluene*	<0.050	0.050	10/03/2024	ND	2.07	104	2.00	4.53	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	4.41	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.40	107	6.00	4.77	
Total BTEX	<0.300	0.300	10/03/2024	ND					

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

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	10/02/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	220	110	200	2.48	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *92.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.5 %* *49.1-148*

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Analytical Results For:

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Fax To: (505) 391-4585

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	MCKINNEY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FORTY ACRES UL/A SEC 36 T24 - R36E		

Sample ID: BACKFILL PIT (H245964-34)

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	10/03/2024	ND	2.11	105	2.00	4.62	
Toluene*	<0.050	0.050	10/03/2024	ND	2.07	104	2.00	4.53	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	4.41	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.40	107	6.00	4.77	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	10/02/2024	ND	416	104	400	7.41	

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	10/02/2024	ND	220	110	200	2.48	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane *87.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Forty Acres				
Project Manager:	Daniel Dominguez				
Address:	PO Box 1058				
City:	Hobbs	State: NM	Zip: 88241		
Phone #:	575 393-3386	Fax #:			
Project #:		Project Owner:	Forty Acres		
Project Name:	McKinney #1				
Project Location:	UL/ A Sec 36 T24S - R36E				
Sampler Name:	Jerry Heidelberg				

BILL TO

P.O. #:	
Company	Forty Acres
Attn:	Tyler Van Howe
Address:	11757 Katy FWY Suite 725
City:	Houston
State: TX	Zip: 77079
Phone #:	806-420-8278
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH	BTEX 8021
H245961																	
1	FL1-10'	C	1			X					X		10/1/24	8:05	X	X	X
2	FL2-10'	C	1			X					X		10/1/24	8:07	X	X	X
3	FL3-10'	C	1			X					X		10/1/24	8:09	X	X	X
4	FL4-10'	C	1			X					X		10/1/24	8:11	X	X	X
5	FL5-10'	C	1			X					X		10/1/24	8:13	X	X	X
6	FL6-10'	C	1			X					X		10/1/24	8:15	X	X	X
7	FL7-10'	C	1			X					X		10/1/24	8:17	X	X	X
8	FL8-10'	C	1			X					X		10/1/24	8:19	X	X	X
9	FL9-10'	C	1			X					X		10/1/24	8:21	X	X	X
10	FL10-10'	C	1			X					X		10/1/24	8:23	X	X	X

Relinquished By: Jerry Heidelberg	Date: 10.1.24	Received By: Rodriguez	
Relinquished By:	Time: 1504	Received By:	
	Date:		
	Time:		

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Email results to: pm@hungry-horse.com
tyler@faenergyus.com

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 2-Ui)C-0.Ui 2.0: #140

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☐ Yes ☐ No	☐ Yes ☐ No	SR

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CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Forty Acres				
Project Manager:	Daniel Dominguez				
Address:	PO Box 1058				
City:	Hobbs	State: NM	Zip: 88241		
Phone #:	575 393-3386	Fax #:			
Project #:		Project Owner:	Forty Acres		
Project Name:	McKinney #1				
Project Location:	UL/ A Sec 36 T24S - R36E				
Sampler Name:	Jerry Heidelberg				

BILL TO

P.O. #:	
Company	Forty Acres
Attn:	Tyler Van Howe
Address:	11757 Katy FWY Suite 725
City:	Houston
State:	TX
Zip:	77079
Phone #:	806-420-8278
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH	BTEX 8021
H245904																	
11	FL11-10'	C	1			X					X		10/1/24	8:25	X	X	X
12	FL12-10'	C	1			X					X		10/1/24	8:27	X	X	X
13	FL13-10'	C	1			X					X		10/1/24	8:29	X	X	X
14	SW1	C	1			X					X		10/1/24	8:40	X	X	X
15	SW2	C	1			X					X		10/1/24	8:45	X	X	X
16	SW3	C	1			X					X		10/1/24	8:50	X	X	X
17	SW4	C	1			X					X		10/1/24	8:55	X	X	X
18	SW5	C	1			X					X		10/1/24	9:00	X	X	X
19	SW6	C	1			X					X		10/1/24	9:05	X	X	X
20	SW7	C	1			X					X		10/1/24	9:10	X	X	X

Relinquished By: Jerry Heidelberg	Date: 10.1.24	Received By: SRodriguez	
	Time: 1504		
Relinquished By:	Date:	Received By:	
	Time:		

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Email results to: pm@hungry-horse.com
tyler@faenergyus.com

Delivered By: (Circle One) 2.6°C-0.4°C
Sampler - UPS - Bus - Other: 20° #140

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☐ Yes ☐ No	☑ Yes ☐ No	SR

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Forty Acres			BILL TO	
Project Manager:	Daniel Dominguez			P.O. #:	
Address:	PO Box 1058			Company	Forty Acres
City:	Hobbs	State: NM	Zip: 88241	Attn:	Tyler Van Howe
Phone #:	575 393-3386	Fax #:		Address:	11757 Katy FWY Suite 725
Project #:		Project Owner:	Forty Acres	City:	Houston
Project Name:	McKinney #1			State: TX	Zip: 77079
Project Location:	UL/ A Sec 36 T24S - R36E			Phone #:	806-420-8278
Sampler Name:	Jerry Heidelberg			Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D. 1325964	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021										
21	SW8	C	1			X					X		10/1/24	9:15	X	X	X										
22	SW9	C	1			X					X		10/1/24	9:20	X	X	X										
23	SW10	C	1			X					X		10/1/24	9:25	X	X	X										
24	SW11	C	1			X					X		10/1/24	9:30	X	X	X										
25	SW12	C	1			X					X		10/1/24	9:35	X	X	X										
26	SW13	C	1			X					X		10/1/24	9:40	X	X	X										
27	SW14	C	1			X					X		10/1/24	9:45	X	X	X										
28	SW15	C	1			X					X		10/1/24	9:50	X	X	X										
29	SW16	C	1			X					X		10/1/24	9:55	X	X	X										
30	SW17	C	1			X					X		10/1/24	10:00	X	X	X										

Relinquished By: Jerry Heidelberg	Date: 10.1.24 Time: 504	Received By: SRodriguez	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Email results to: pm@hungry-horse.com
tyler@faenergyus.com

Delivered By: (Circle One) 2.0c) C-O-C 2.0c #140
Sampler - UPS - Bus - Other:

Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No

CHECKED BY: (Initials) SR

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Forty Acres		
Project Manager:	Daniel Dominguez		
Address:	PO Box 1058		
City:	Hobbs	State: NM	Zip: 88241
Phone #:	575 393-3386	Fax #:	
Project #:		Project Owner:	Forty Acres
Project Name:	McKinney #1		
Project Location:	UL/ A Sec 36 T24S - R36E		
Sampler Name:	Jerry Heidelberg		

BILL TO

P.O. #:	
Company	Forty Acres
Attn:	Tyler Van Howe
Address:	11757 Katy FWY Suite 725
City:	Houston
State:	TX Zip: 77079
Phone #:	806-420-8278
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D. H245944	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH	BTEX 8021
31	SW18	C	1			X					X		10/1/24	10:05	X	X	X
32	SW19	C	1			X					X		10/1/24	10:10	X	X	X
33	SW20	C	1			X					X		10/1/24	10:15	X	X	X
34	Backfill Pit	C	1			X					X		10/1/24	10:20	X	X	X

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Relinquished By: Jerry Heidelberg | Date: 10-1-24 | Time: 1504 | Received By: SRodriguez

Relinquished By: | Date: | Time: | Received By:

Delivered By: (Circle One) 2.6°c C-0.6°c
Sampler - UPS - Bus - Other: 2.0°c #140

Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No

CHECKED BY: (Initials) SR

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Email results to: pm@hungry-horse.com
tyler@faenergyus.com

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

General Information
Phone: (505) 629-6116

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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 451988

QUESTIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 451988
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2400951374**
Incident Name	**NAPP2400951374 MCKINNEY #001 SWD @ 30-025-09709**
Incident Type	**Produced Water Release**
Incident Status	**Deferral Request Received**
Incident Well	**[30-025-09709] MCKINNEY #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MCKINNEY #001 SWD
Date Release Discovered	12/27/2023
Surface Owner	State

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: Power Failure | Water Tank | Produced Water | Released: 320 BBL | Recovered: 315 BBL | Lost: 5 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)	Electricity failed at this facility causing the tank to be filled with no alarm and the tank to overflow. The release was fully contained and the facility is partially lined.

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

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 451988
	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.**
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: Alexis Bolanos Title: Production & Regulatory Analyst Email: alex@faenergyus.com Date: 04/15/2025

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QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 451988
	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 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 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 ½ and 1 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Greater than 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		
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
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.		
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)	15000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	31767
GRO+DRO	(EPA SW-846 Method 8015M)	25747
BTEX	(EPA SW-846 Method 8021B or 8260B)	1.6
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		08/22/2024
On what date will (or did) the final sampling or liner inspection occur		10/01/2024
On what date will (or was) the remediation complete(d)		10/24/2024
What is the estimated surface area (in square feet) that will be reclaimed		2600
What is the estimated volume (in cubic yards) that will be reclaimed		1000
What is the estimated surface area (in square feet) that will be remediated		2600
What is the estimated volume (in cubic yards) that will be remediated		1000
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 (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 451988
	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.)	Yes
Which OCD approved facility will be used for **off-site** disposal	R360 ARTESIA LLC LANDFARM [fEEM0112340644]
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.*
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: Alexis Bolanos Title: Production & Regulatory Analyst Email: alex@faenergyus.com Date: 04/15/2025
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 (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 451988
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	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	There are currently four working production tanks on location, buried electrical lines, process equipment, flowlines, low pressure manifold, triplex injection pump, filter, and other associated equipment onsite. The removal of this equipment would require a major facility deconstruction and multiple active producing wells to be shut in.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1700
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	630
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.	
Enter the facility ID (f#) on which this deferral should be granted	*Not answered.*
Enter the well API (30-) on which this deferral should be granted	30-025-09709 MCKINNEY #001
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
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: Alexis Bolanos Title: Production & Regulatory Analyst Email: alex@faenergyus.com Date: 04/15/2025

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

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator:	OGRID:
FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	329326
	Action Number: 451988
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**387886**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**10/01/2024**
What was the (estimated) number of samples that were to be gathered	**33**
What was the sampling surface area in square feet	**2500**

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 451988

CONDITIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 451988
	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.	6/26/2025