



Remediation Summary and Closure Request

**FAE II Operating, LLC
Moberly #10 CTB
Lea County, New Mexico
Unit Letter "M", Section 21, Township 26 South, Range 37 East
Latitude 32.025402 North, Longitude 103.171975 West
NMOCD Incident # nAPP2313634226**

Prepared For:

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

Prepared By:

Hungry Horse, LLC
4024 Plains Hwy
Lovington, NM 88260
Office: (575) 393-3386

December 2023

Bradley Wells

Bradley Wells
Project Manager
bwells@hungry-horse.com

Daniel Dominguez

Daniel Dominguez
Environmental Manager
ddominguez@hungry-horse.com

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HUNGRY HORSE, LLC

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

Background:

The site is located in Unit Letter M (SW/SW), Section 21, Township 26 South, Range 37 East, approximately six miles south of Jal, in Lea County, New Mexico. The site is located on private 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 at an active flowline; Latitude 32.025402 North, Longitude 103.171975 West. The Initial NMOCD Form C-141 indicated that on April 20, 2023 approximately 4 bbls of crude oil were released due to possible equipment failure. This release appears to be historical. No fluid was recovered. The release area was scraped up into three stockpiles on location. However, the stockpiled contaminated soil was not hauled away. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. NMOCD Form Initial C-141 is also included as Attachment VII.

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 Karst designated area. Karst and Wetland Maps are provided as Attachment I. Depth to groundwater information is provided as Attachment IV and the results are depicted on Figures 2 & 3.

One water well was located in the vicinity of the release area. USGS well 320042103103901 was located .73 miles southwest of the location. Gauging in 2016 indicated depth to water of approximately 83.52 feet bgs. However, as the release occurred within a Karst designated area, the site was 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' – 100' | Chloride | EPA 300.0 or SM4500 CLB | 600 mg/kg |
| | TPH (GRO + DRO + MRO) | EPA SW-846 Method 8015M Ext | 100 mg/kg |
| | GRO + DRO | EPA SW-846 Method 8015M Ext | NA |
| | BTEX | EPA SW-846 Methods 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Methods 8021B or 8260B | 10 mg/kg |



Delineation and Remediation Activities:

On October 12, 2023, Hungry Horse conducted an initial site assessment consisting of photographing, mapping, and sampling the contaminated soil piles. During sampling, hand augered test bores were advanced into the contaminated soil piles in an effort to determine the extent of contamination. These sample locations are identified by SP designation. On October 19, 2023, hand augered sample bores were advanced along the outside edges of the contaminated soil piles in an effort to determine the horizontal extent of contamination, if any. These sample locations are identified by HZ designation. During the advancement of the hand augered sample bores, 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 IV, fourteen representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP3, 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 at Surface, which exhibited TPH concentrations in excess of NMOCD Closure Criteria.

On November 28, 2023, the contaminated soil piles were hauled to an NMOCD approved disposal facility.

On December 1, 2023, three composite confirmation soil samples were collected from the area exposed after the removal of the contaminated soil piles; every 200 square feet. Soil samples FL1 through FL3 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.

The affected areas measured approximately two hundred square feet each. During remediation activities approximately 18 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility.

A 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 V.

Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced, clean, non-impacted soil. The area was contoured to achieve erosion control and preserve surface water flow.

The affected area will be seeded with an approved seed mix during the next favorable growing season, following these completed remediation activities.



Closure Request:

Remediation activities were conducted in accordance with applicable NMOCD Regulations. Soil affected above the NMOCD Closure Criteria has been removed 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.

Based on laboratory analytical results, FAE II Operating, LLC respectfully requests closure of the Moberly #10 CTB location, nAPP2313634226.

Limitations:

Hungry Horse, LLC, has prepared this *Remediation Summary and Closure 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:

FAE II Operating, LLC

11757 Katy Freeway, Suite 725
Houston, TX 77079

New Mexico Energy, Minerals and Natural Resources Department

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

DK Boyd

3317 Andrews Hwy
Midland, TX 79703

Figures

**Figure 1**

Topographic Map
FAE II Operating, LLC
Moberly #10 CTB
GPS: 32.024992, -103.172194
Lea County

Legend:

- Moberly #10 CTB Location

Drafted: dd
Checked: bw
Date: 12/4/23



**Figure 2**

OSE POD Locations Map
FAE II Operating, LLC
Moberly #10 CTB
GPS: 32.024992, -103.172194
Lea County

Legend:

- Moberly #10 CTB Location
- Pending OSE Water Well



Drafted: dd
Checked: bw
Date: 12/4/23

**Figure 3**

USGS Well Locations Map
FAE II Operating, LLC
Moberly #10 CTB
GPS: 32.025402, -103.171975
Lea County

Legend:

- Moberly #10 CTB Location
- USGS Well Location



Drafted: dd
Checked: bw
Date: 12/4/23



**Figure 4**

Delineation Sample Map
FAE II Operating, LLC
Moberly #10 CTB
GPS: 32.024992, -103.172194
Lea County

Legend:

-  Contaminated Soil Pile
 Delineation Sample Location



Drafted: dd
Checked: bw
Date: 12/4/23



**Figure 5**

Excavation Sample Map
FAE II Operating, LLC
Moberly #10 CTB
GPS: 32.024992, -103.172194
Lea County

Legend:

-  Contaminated Soil Pile Removed
 Composite Confirmation Sample Location

Drafted: dd
Checked: bw
Date: 12/4/23



Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
FAE II Operating, LLC
Moberly #10 CTB
NMOCD Ref. #: nAPP2313634226

| 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 | 10/12/23 | Surf | Excavated | <0.050 | <0.300 | <10.0 | 77.8 | 77.8 | 97.6 | 175.4 | <16.0 |
| | 10/12/23 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SP2 | 10/12/23 | Surf | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| | 10/12/23 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SP3 | 10/12/23 | Surf | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| | 10/12/23 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 37.4 | 37.4 | 56.2 | 93.6 | 16.0 |
| HZ1 | 10/19/23 | Surf | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| | 10/19/23 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| HZ2 | 10/19/23 | Surf | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| | 10/19/23 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| HZ3 | 10/19/23 | Surf | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| | 10/19/23 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| HZ4 | 10/19/23 | Surf | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| | 10/19/23 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL1 | 12/1/23 | Surf | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL2 | 12/1/23 | Surf | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL3 | 12/1/23 | Surf | 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:

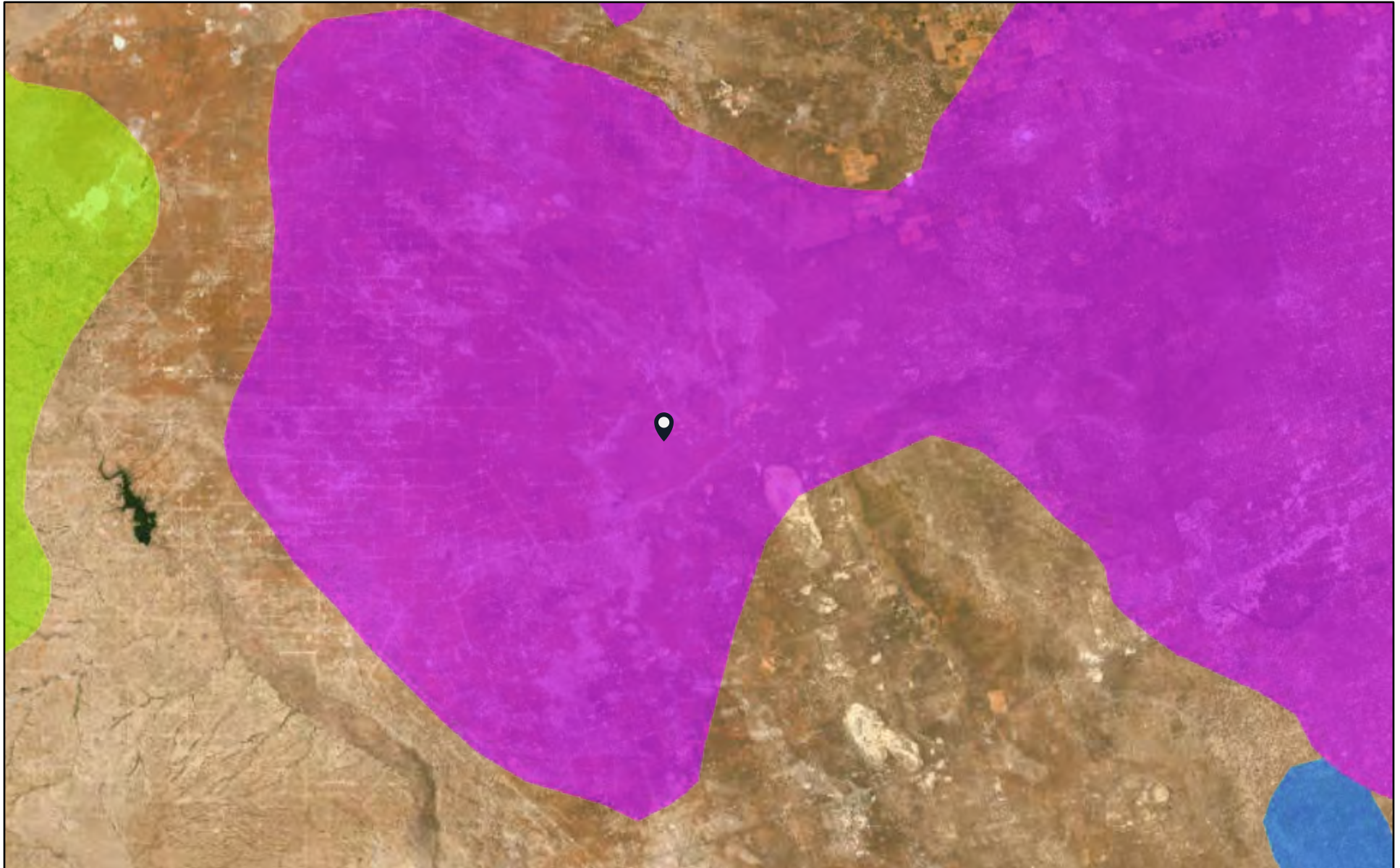
- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I

Karst and Wetland Maps

Moberly #10 CTB



12/4/2023

Karst Type

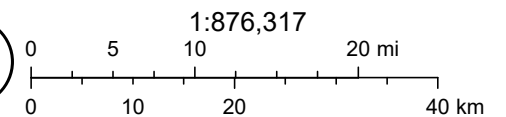
- Carbonate
- Erosional
- Gypsum

- Volcanic
- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

150m Resolution Metadata



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., Earthstar Geographics








Moberly #10 CTB





December 4, 2023

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.

Attachment II

NMOCD Correspondence

Daniel Dominguez

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, November 28, 2023 8:45 AM
To: Daniel Dominguez
Cc: Tyler Van Howe; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Closure Samples

Hi Daniel,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 |Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Daniel Dominguez <ddominguez@hungry-horse.com>
Sent: Tuesday, November 28, 2023 7:04 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Tyler Van Howe <tyler@faenergyus.com>
Subject: [EXTERNAL] Closure Samples

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

We will be collecting closure samples at the Moberly #10 CTB (nAPP2313634226) on Friday, December 1, 2023, at 10 am.
This is our 2 day notice

Daniel Dominguez
Environmental Manager
Hungry Horse, LLC
(m) 575-408-3134
ddominguez@hungry-horse.com

Tyler Van Howe

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Tuesday, October 17, 2023 1:54 PM
To: Tyler Van Howe
Cc: Bratcher, Michael, EMNRD
Subject: Re: [EXTERNAL] Extension Request for Releases - FAE II Operating LLC

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: IMPORTANT

External (nelson.velez@emnrd.nm.gov)

[Report This Email](#) [FAQ](#) [GoDaddy Advanced Email Security, Powered by INKY](#)

Good afternoon Tyler,

Your request for a sixty-day extension on the incident numbers listed below are approved to December 18, 2023.

1. Federal F #002 (API: 30-025-25077); Incident Number: nAPP2313632338
2. Federal F #003 (API: 30-025-25834); Incident Number: nAPP2313543757
3. Federal F #004 (API: 30-025-26061); Incident Number: nAPP2313546854
4. Moberly Rhodes WF Project #012 (API: 30-025-12017); Incident Number: nAPP2313635015
5. Moberly Rhodes WF Project #010 / CTB (API: 30-025-12017); Incident Number: nAPP2313634226.

Please keep a copy of this communication for inclusion within the appropriate report submittals.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



From: Tyler Van Howe <tyler@faenergyus.com>
Sent: Monday, October 16, 2023 12:48 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Tyler Van Howe <tyler@faenergyus.com>
Subject: RE: [EXTERNAL] Extension Request for Releases - FAE II Operating LLC

Good Afternoon, Mike,

We hired a 3rd party environmental remediation company, Hungry Horse, to assist on the below 5 minor releases with extensions approved through October 19, 2023. The site assessments, mapping, and field testing/sampling on all 5 of the locations have been done. We also started the delineation process, but we're going to need some additional time to mobilize a backhoe and associated equipment to continue with further delineation.

We are currently in the process of sending in samples to Cardinal Labs (usually takes about a week for results to come back from the lab) and would like to request an additional 60 days for remediation work to get any remaining affected areas dug out, confirmation samples collected, and finalized reports put together to close out these releases.

If there's any information you may need as far as site pictures or details of the work that has been completed by Hungry Horse, please let me know and I can provide that info. Thank you for your understanding and working with us as we are trying to get these incidents closed out as quickly as possible.

Thank you,

Tyler D. Van Howe | *Production Engineer*

forty acres energy

11757 Katy Freeway, Suite 725 | Houston, TX 77079

C [281.798.4516](tel:281.798.4516)

E tyler@faenergyus.com

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Wednesday, July 12, 2023 2:42 PM
To: Tyler Van Howe <tyler@faenergyus.com>
Cc: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Extension Request for Releases - FAE II Operating LLC

Tyler,

Your request for a ninety day extension on the incident numbers listed below and on the attached letter, is approved to October 19, 2023. Note the remediation due date was July 19, 2023 for these incidents. This extension is for remedial work only. Any other infractions noted on the OCD field inspections are not included in this approval. Those items will need to be addressed with Mr. Bolton.

Please include a copy of this and all correspondence, including the attached letter, in your reports to insure inclusion in the project file.

Thank you,

Mike Bratcher • Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Tyler Van Howe <tyler@faenergyus.com>
Sent: Thursday, July 6, 2023 5:05 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: [EXTERNAL] Extension Request for Releases - FAE II Operating LLC

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon, Mike,

As per our conversation earlier today, please see the attached letter requesting a 90-day extension (past the required listed compliance date of 7/27/2023) regarding the below releases. These were all historical releases that were identified and brought to our attention following recent field inspections.

1. Federal F #002 (API: 30-025-25077); Incident Number: nAPP2313632338
2. Federal F #003 (API: 30-025-25834); Incident Number: nAPP2313543757
3. Federal F #004 (API: 30-025-26061); Incident Number: nAPP2313546854
4. Moberly Rhodes WF Project #012 (API: 30-025-12017); Incident Number: nAPP2313635015
5. Moberly Rhodes WF Project #010 / CTB (API: 30-025-12017); Incident Number: nAPP2313634226

If you have any questions or need any additional information, please don't hesitate to reach out. Thank you again for your understanding as we are diligently trying to get these issues resolved.

Thank you,

Tyler D. Van Howe | *Production Engineer*

forty acres energy

11757 Katy Freeway, Suite 725 | Houston, TX 77079

C [281.798.4516](tel:281.798.4516)

E tyler@faenergyus.com

Attachment III Site Photographs

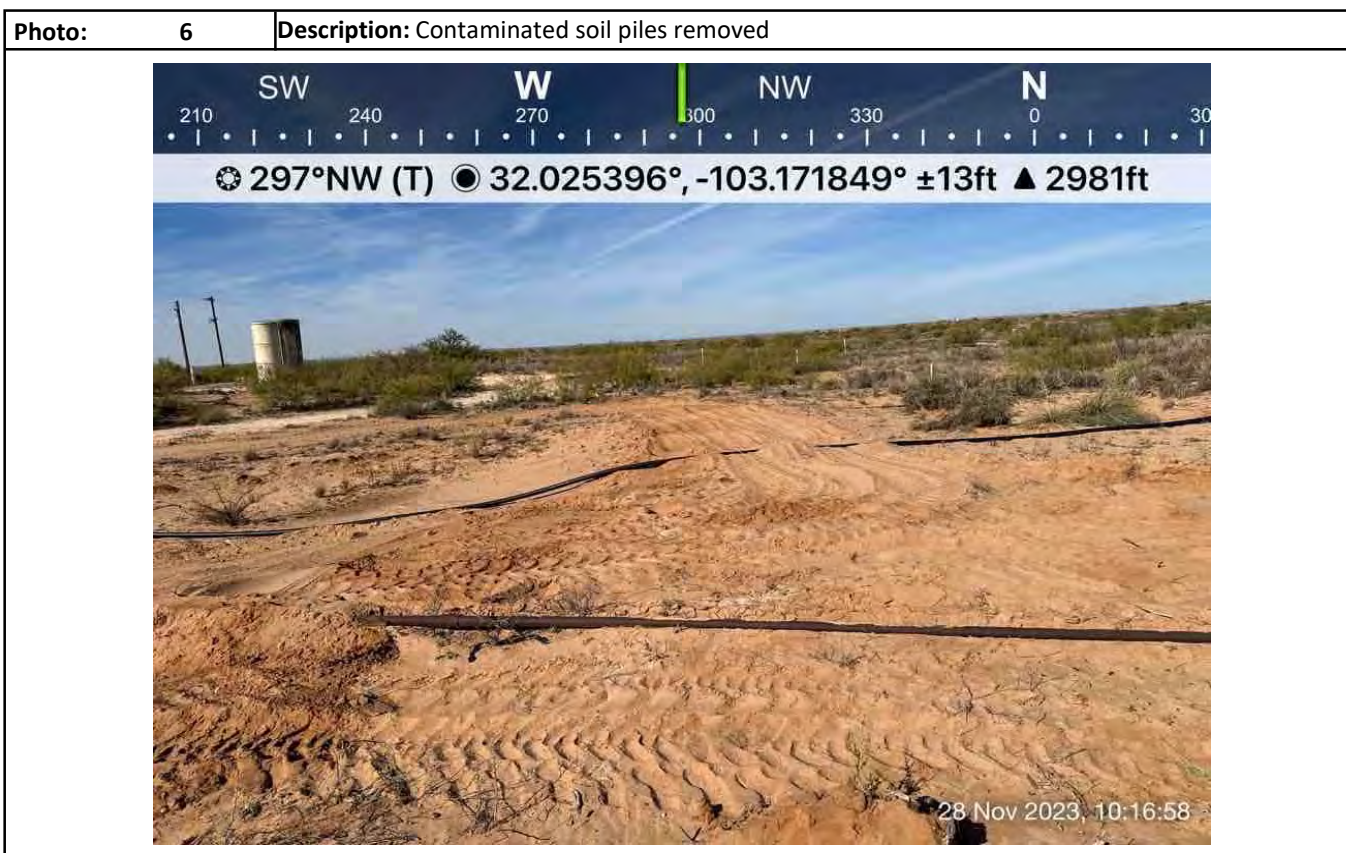
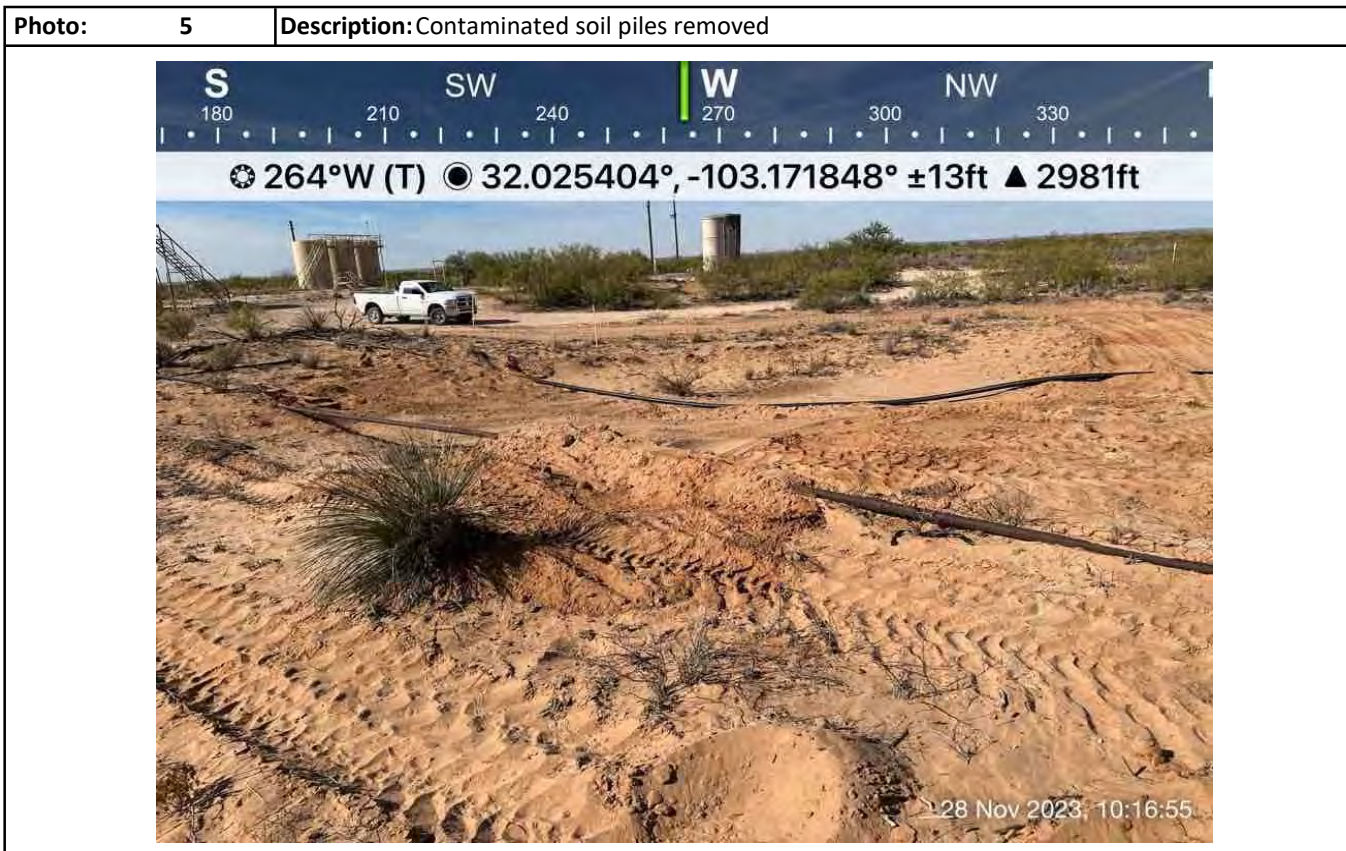
Photographs



Photographs



Photographs



Attachment IV Field Data

Hungry Horse, LLC

Date: 10-12-23

GPS:

Sampler: Jerry Heidelberg

Stockpile = Stockpile #1

Hungry Horse, LLC

Date: 12-1-23

GPS: 32.024992, -103.172194

Standard: TPH 100mg/kg, Chloride 600mg/kg

Sampler: Jerry Heidelberg

[illegible]

Test Trench = TT1 @ ##

Resamples= SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Attachment V

Depth to Groundwater



New Mexico Office of the State Engineer
Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 672632 Northing (Y): 3544712 Radius: 805

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for particular purpose of the data.

12/4/23 2:49 PM

WELLS WITH WELL LOG INFORMATION



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
United States

GO

Click to hideNews Bulletins

- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320042103103901

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320042103103901 26S.37E.29.24230

Lea County, New Mexico
Latitude 32°00'59.0", Longitude 103°10'40.5" NAD83
Land-surface elevation 2,952.00 feet above NGVD29
The depth of the well is 115 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

| |
|------------------------------------|
| Table of data |
| Tab-separated data |
| Graph of data |
| Reselect period |

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source measur |
|------------|------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|-----------------------|
| 1965-10-19 | | | D 62610 | | 2864.10 | NGVD29 | 1 | | Z | |
| 1965-10-19 | | | D 62611 | | 2865.44 | NAVD88 | 1 | | Z | |
| 1965-10-19 | | | D 72019 | 87.90 | | | 1 | | Z | |
| 1968-02-13 | | | D 62610 | | 2864.57 | NGVD29 | P | | Z | |
| 1968-02-13 | | | D 62611 | | 2865.91 | NAVD88 | P | | Z | |
| 1968-02-13 | | | D 72019 | 87.43 | | | P | | Z | |
| 1970-12-01 | | | D 62610 | | 2863.55 | NGVD29 | P | | Z | |
| 1970-12-01 | | | D 62611 | | 2864.89 | NAVD88 | P | | Z | |
| 1970-12-01 | | | D 72019 | 88.45 | | | P | | Z | |
| 1976-01-08 | | | D 62610 | | 2863.17 | NGVD29 | 1 | | Z | |
| 1976-01-08 | | | D 62611 | | 2864.51 | NAVD88 | 1 | | Z | |
| 1976-01-08 | | | D 72019 | 88.83 | | | 1 | | Z | |
| 1981-03-17 | | | D 62610 | | 2864.48 | NGVD29 | 1 | | Z | |
| 1981-03-17 | | | D 62611 | | 2865.82 | NAVD88 | 1 | | Z | |
| 1981-03-17 | | | D 72019 | 87.52 | | | 1 | | Z | |
| 1986-03-06 | | | D 62610 | | 2866.12 | NGVD29 | 1 | | Z | |

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source measur |
|------------|-----------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|-----------------------|
| 1986-03-06 | | | D | 62611 | 2867.46 | NAVD88 | 1 | Z | | |
| 1986-03-06 | | | D | 72019 | 85.88 | | 1 | Z | | |
| 1990-11-14 | | | D | 62610 | 2866.00 | NGVD29 | 1 | Z | | |
| 1990-11-14 | | | D | 62611 | 2867.34 | NAVD88 | 1 | Z | | |
| 1990-11-14 | | | D | 72019 | 86.00 | | 1 | Z | | |
| 1996-02-28 | | | D | 62610 | 2865.75 | NGVD29 | 1 | S | | |
| 1996-02-28 | | | D | 62611 | 2867.09 | NAVD88 | 1 | S | | |
| 1996-02-28 | | | D | 72019 | 86.25 | | 1 | S | | |
| 2012-05-22 | 16:30 UTC | | m | 62610 | 2867.83 | NGVD29 | P | S | USGS | |
| 2012-05-22 | 16:30 UTC | | m | 62611 | 2869.17 | NAVD88 | P | S | USGS | |
| 2012-05-22 | 16:30 UTC | | m | 72019 | 84.17 | | P | S | USGS | |
| 2012-08-13 | 17:15 UTC | | m | 62610 | 2861.54 | NGVD29 | P | S | USGS | |
| 2012-08-13 | 17:15 UTC | | m | 62611 | 2862.88 | NAVD88 | P | S | USGS | |
| 2012-08-13 | 17:15 UTC | | m | 72019 | 90.46 | | P | S | USGS | |
| 2012-12-17 | 21:10 UTC | | m | 62610 | 2867.33 | NGVD29 | P | S | USGS | |
| 2012-12-17 | 21:10 UTC | | m | 62611 | 2868.67 | NAVD88 | P | S | USGS | |
| 2012-12-17 | 21:10 UTC | | m | 72019 | 84.67 | | P | S | USGS | |
| 2013-08-08 | 19:00 UTC | | m | 62610 | 2868.09 | NGVD29 | P | S | USGS | |
| 2013-08-08 | 19:00 UTC | | m | 62611 | 2869.43 | NAVD88 | P | S | USGS | |
| 2013-08-08 | 19:00 UTC | | m | 72019 | 83.91 | | P | S | USGS | |
| 2013-12-10 | 17:15 UTC | | m | 62610 | 2861.87 | NGVD29 | 1 | S | USGS | |
| 2013-12-10 | 17:15 UTC | | m | 62611 | 2863.21 | NAVD88 | 1 | S | USGS | |
| 2013-12-10 | 17:15 UTC | | m | 72019 | 90.13 | | 1 | S | USGS | |
| 2014-07-31 | 17:20 UTC | | m | 62610 | 2867.90 | NGVD29 | P | S | USGS | |
| 2014-07-31 | 17:20 UTC | | m | 62611 | 2869.24 | NAVD88 | P | S | USGS | |
| 2014-07-31 | 17:20 UTC | | m | 72019 | 84.10 | | P | S | USGS | |
| 2014-12-16 | 16:00 UTC | | m | 62610 | 2866.88 | NGVD29 | P | S | USGS | |
| 2014-12-16 | 16:00 UTC | | m | 62611 | 2868.22 | NAVD88 | P | S | USGS | |
| 2014-12-16 | 16:00 UTC | | m | 72019 | 85.12 | | P | S | USGS | |
| 2015-07-08 | 18:00 UTC | | m | 62610 | 2868.06 | NGVD29 | P | S | USGS | |
| 2015-07-08 | 18:00 UTC | | m | 62611 | 2869.40 | NAVD88 | P | S | USGS | |
| 2015-07-08 | 18:00 UTC | | m | 72019 | 83.94 | | P | S | USGS | |
| 2015-12-14 | 15:00 UTC | | m | 62610 | 2869.09 | NGVD29 | P | S | USGS | |
| 2015-12-14 | 15:00 UTC | | m | 62611 | 2870.43 | NAVD88 | P | S | USGS | |
| 2015-12-14 | 15:00 UTC | | m | 72019 | 82.91 | | P | S | USGS | |
| 2016-07-21 | 20:50 UTC | | m | 62610 | 2868.48 | NGVD29 | P | S | USGS | |
| 2016-07-21 | 20:50 UTC | | m | 62611 | 2869.82 | NAVD88 | P | S | USGS | |
| 2016-07-21 | 20:50 UTC | | m | 72019 | 83.52 | | P | S | USGS | |

Explanation

| Section | Code | Description |
|--------------------------------|--------|---|
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Water-level date-time accuracy | m | Date is accurate to the Minute |
| Parameter code | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code | 62611 | Groundwater level above NAVD 1988, feet |
| Parameter code | 72019 | Depth to water level, feet below land surface |
| Referenced vertical datum | NAVD88 | North American Vertical Datum of 1988 |
| Referenced vertical datum | NGVD29 | National Geodetic Vertical Datum of 1929 |

| Section | Code | Description |
|-----------------------------|------|--|
| Status | 1 | Static |
| Status | P | Pumping |
| Method of measurement | S | Steel-tape measurement. |
| Method of measurement | Z | Other. |
| Measuring agency | | Not determined |
| Measuring agency | USGS | U.S. Geological Survey |
| Source of measurement | | Not determined |
| Source of measurement | S | Measured by personnel of reporting agency. |
| Water-level approval status | A | Approved for publication -- Processing and review completed. |

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-12-14 11:59:37 EST

0.28 0.24 nadww01

Attachment VI

Laboratory Analytical Reports



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

October 23, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MOBERLY #10 CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/17/23 16:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/17/2023 | Sampling Date: | 10/12/2023 |
| Reported: | 10/23/2023 | Sampling Type: | Soil |
| Project Name: | MOBERLY #10 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | FORTY ACRES | Sample Received By: | Tamara Oldaker |
| Project Location: | UL / M SEC 21 T26S - R37E | | |

Sample ID: SP 1 - SURF (H235691-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.05 | 102 | 2.00 | 3.85 | |
| Toluene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.15 | 107 | 2.00 | 1.23 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.12 | 106 | 2.00 | 1.41 | |
| Total Xylenes* | <0.150 | 0.150 | 10/19/2023 | ND | 6.28 | 105 | 6.00 | 1.83 | |
| Total BTEX | <0.300 | 0.300 | 10/19/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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 | 10/18/2023 | 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 | 10/18/2023 | ND | 172 | 86.2 | 200 | 1.14 | |
| DRO >C10-C28* | 77.8 | 10.0 | 10/18/2023 | ND | 160 | 80.0 | 200 | 4.07 | |
| EXT DRO >C28-C36 | 97.6 | 10.0 | 10/18/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/17/2023
 Reported: 10/23/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 - 1' (H235691-02)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.05 | 102 | 2.00 | 3.85 | | |
| Toluene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.15 | 107 | 2.00 | 1.23 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.12 | 106 | 2.00 | 1.41 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/19/2023 | ND | 6.28 | 105 | 6.00 | 1.83 | | |
| Total BTEX | <0.300 | 0.300 | 10/19/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/18/2023 | 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 | 10/18/2023 | ND | 172 | 86.2 | 200 | 1.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2023 | ND | 160 | 80.0 | 200 | 4.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/17/2023
 Reported: 10/23/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 - SURF (H235691-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.05 | 102 | 2.00 | 3.85 | |
| Toluene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.15 | 107 | 2.00 | 1.23 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.12 | 106 | 2.00 | 1.41 | |
| Total Xylenes* | <0.150 | 0.150 | 10/19/2023 | ND | 6.28 | 105 | 6.00 | 1.83 | |
| Total BTEx | <0.300 | 0.300 | 10/19/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/18/2023 | 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 | 10/18/2023 | ND | 172 | 86.2 | 200 | 1.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2023 | ND | 160 | 80.0 | 200 | 4.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/17/2023
 Reported: 10/23/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 - 1' (H235691-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.16 | 108 | 2.00 | 1.97 | |
| Toluene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.21 | 111 | 2.00 | 3.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.25 | 112 | 2.00 | 0.227 | |
| Total Xylenes* | <0.150 | 0.150 | 10/19/2023 | ND | 6.41 | 107 | 6.00 | 1.30 | |
| Total BTX | <0.300 | 0.300 | 10/19/2023 | ND | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/18/2023 | 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 | 10/18/2023 | ND | 172 | 86.2 | 200 | 1.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2023 | ND | 160 | 80.0 | 200 | 4.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 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: 10/17/2023
 Reported: 10/23/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 - SURF (H235691-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.16 | 108 | 2.00 | 1.97 | | |
| Toluene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.21 | 111 | 2.00 | 3.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.25 | 112 | 2.00 | 0.227 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/19/2023 | ND | 6.41 | 107 | 6.00 | 1.30 | | |
| Total BTX | <0.300 | 0.300 | 10/19/2023 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 10/18/2023 | 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 | 10/18/2023 | ND | 172 | 86.2 | 200 | 1.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2023 | ND | 160 | 80.0 | 200 | 4.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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*=Accredited Analyte

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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: 10/17/2023
 Reported: 10/23/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 - 1' (H235691-06)

| 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 | 10/19/2023 | ND | 2.10 | 105 | 2.00 | 4.44 | | |
| Toluene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.09 | 105 | 2.00 | 6.90 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/19/2023 | ND | 2.21 | 111 | 2.00 | 7.17 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/19/2023 | ND | 6.65 | 111 | 6.00 | 7.86 | | |
| Total BTEx | <0.300 | 0.300 | 10/19/2023 | 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 | 16.0 | 16.0 | 10/18/2023 | 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 | 10/18/2023 | ND | 172 | 86.2 | 200 | 1.14 | |
| DRO >C10-C28* | 37.4 | 10.0 | 10/18/2023 | ND | 160 | 80.0 | 200 | 4.07 | |
| EXT DRO >C28-C36 | 56.2 | 10.0 | 10/18/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

| | |
|-----|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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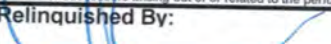


A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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

[illegible]

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| | | | | | | | |
|---|--|----------------|--|---|--|---|--|
| Relinquished By:  | | Date: 10-17-23 | | Received By:  | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: | |
| | | Time: 1611 | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: | |
| Relinquished By: | | Date: | | Received By: | | REMARKS: Email results to: pm@hungry-horse.com tyler@faenergyus.com | |
| | | Time: | | | | | |
| Delivered By: (Circle One) | | #140 | | Sample Condition | | CHECKED BY: (Initials)  | |
| Sampler - UPS - Bus - Other: -4.2c | | | | Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No | | | |

† Cardinal cannot accept verbal changes. Please fax written changes to 575-263-2152.

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



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

October 26, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MOBERLY #10 CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/20/23 12:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/20/2023 | Sampling Date: | 10/19/2023 |
| Reported: | 10/26/2023 | Sampling Type: | Soil |
| Project Name: | MOBERLY #10 CTB | Sampling Condition: | Cool & Intact |
| Project Number: | FORTY ACRES | Sample Received By: | Tamara Oldaker |
| Project Location: | UL / M SEC 21 T26S - R37E | | |

Sample ID: HZ 1 - SURF (H235763-01)

| BTEX 8021B | | | mg/kg | | Analyzed By: AW | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.00 | 100 | 2.00 | 1.06 | |
| Toluene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.06 | 103 | 2.00 | 0.922 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.05 | 102 | 2.00 | 0.986 | |
| Total Xylenes* | <0.150 | 0.150 | 10/24/2023 | ND | 6.19 | 103 | 6.00 | 0.355 | |
| Total BTEX | <0.300 | 0.300 | 10/24/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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 | 10/23/2023 | ND | 416 | 104 | 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 | 10/23/2023 | ND | 203 | 101 | 200 | 3.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/23/2023 | ND | 204 | 102 | 200 | 5.46 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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: 10/20/2023
 Reported: 10/26/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 1 - 1' (H235763-02)

| BTX 8021B | | mg/kg | | Analyzed By: AW | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.00 | 100 | 2.00 | 1.06 | | |
| Toluene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.06 | 103 | 2.00 | 0.922 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.05 | 102 | 2.00 | 0.986 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/24/2023 | ND | 6.19 | 103 | 6.00 | 0.355 | | |
| Total BTX | <0.300 | 0.300 | 10/24/2023 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/23/2023 | ND | 416 | 104 | 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 | 10/23/2023 | ND | 203 | 101 | 200 | 3.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/23/2023 | ND | 204 | 102 | 200 | 5.46 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 10/20/2023
 Reported: 10/26/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 2 - SURF (H235763-03)

| BTX 8021B | | mg/kg | | Analyzed By: AW | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.00 | 100 | 2.00 | 1.06 | |
| Toluene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.06 | 103 | 2.00 | 0.922 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.05 | 102 | 2.00 | 0.986 | |
| Total Xylenes* | <0.150 | 0.150 | 10/24/2023 | ND | 6.19 | 103 | 6.00 | 0.355 | |
| Total BTX | <0.300 | 0.300 | 10/24/2023 | ND | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/23/2023 | ND | 416 | 104 | 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 | 10/23/2023 | ND | 203 | 101 | 200 | 3.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/23/2023 | ND | 204 | 102 | 200 | 5.46 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 69.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 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: 10/20/2023
 Reported: 10/26/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 2 - 1' (H235763-04)

| BTX 8021B | | mg/kg | | Analyzed By: AW | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.00 | 100 | 2.00 | 1.06 | | |
| Toluene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.06 | 103 | 2.00 | 0.922 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.05 | 102 | 2.00 | 0.986 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/24/2023 | ND | 6.19 | 103 | 6.00 | 0.355 | | |
| Total BTX | <0.300 | 0.300 | 10/24/2023 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/23/2023 | ND | 416 | 104 | 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 | 10/23/2023 | ND | 203 | 101 | 200 | 3.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/23/2023 | ND | 204 | 102 | 200 | 5.46 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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: 10/20/2023
 Reported: 10/26/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 3 - SURF (H235763-05)

| BTX 8021B | | mg/kg | | Analyzed By: AW | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.00 | 100 | 2.00 | 1.06 | | |
| Toluene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.06 | 103 | 2.00 | 0.922 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.05 | 102 | 2.00 | 0.986 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/24/2023 | ND | 6.19 | 103 | 6.00 | 0.355 | | |
| Total BTX | <0.300 | 0.300 | 10/24/2023 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/23/2023 | ND | 416 | 104 | 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 | 10/23/2023 | ND | 203 | 101 | 200 | 3.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/23/2023 | ND | 204 | 102 | 200 | 5.46 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 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: 10/20/2023
 Reported: 10/26/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 3 - 1' (H235763-06)

| BTX 8021B | | mg/kg | | Analyzed By: AW | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.00 | 100 | 2.00 | 1.06 | | |
| Toluene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.06 | 103 | 2.00 | 0.922 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.05 | 102 | 2.00 | 0.986 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/24/2023 | ND | 6.19 | 103 | 6.00 | 0.355 | | |
| Total BTX | <0.300 | 0.300 | 10/24/2023 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/23/2023 | ND | 416 | 104 | 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 | 10/23/2023 | ND | 203 | 101 | 200 | 3.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/23/2023 | ND | 204 | 102 | 200 | 5.46 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/20/2023
 Reported: 10/26/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 4 - SURF (H235763-07)

| BTX 8021B | | mg/kg | | Analyzed By: AW | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.00 | 100 | 2.00 | 1.06 | | |
| Toluene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.06 | 103 | 2.00 | 0.922 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.05 | 102 | 2.00 | 0.986 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/24/2023 | ND | 6.19 | 103 | 6.00 | 0.355 | | |
| Total BTX | <0.300 | 0.300 | 10/24/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/23/2023 | ND | 416 | 104 | 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 | 10/23/2023 | ND | 203 | 101 | 200 | 3.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/23/2023 | ND | 204 | 102 | 200 | 5.46 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/20/2023
 Reported: 10/26/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 4 - 1' (H235763-08)

| BTX 8021B | | mg/kg | | Analyzed By: AW | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.00 | 100 | 2.00 | 1.06 | | |
| Toluene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.06 | 103 | 2.00 | 0.922 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/24/2023 | ND | 2.05 | 102 | 2.00 | 0.986 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/24/2023 | ND | 6.19 | 103 | 6.00 | 0.355 | | |
| Total BTX | <0.300 | 0.300 | 10/24/2023 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 10/23/2023 | ND | 416 | 104 | 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 | 10/23/2023 | ND | 203 | 101 | 200 | 3.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/23/2023 | ND | 204 | 102 | 200 | 5.46 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

| | |
|-----|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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

Celey D. Keene, Lab Director/Quality Manager

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



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

December 06, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MOBERLY #10 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/01/23 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/01/2023
 Reported: 12/06/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 12/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 1 (H236478-01)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2023 | ND | 2.00 | 99.9 | 2.00 | 4.21 | |
| Toluene* | <0.050 | 0.050 | 12/04/2023 | ND | 2.15 | 108 | 2.00 | 2.35 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2023 | ND | 2.30 | 115 | 2.00 | 1.76 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2023 | ND | 6.88 | 115 | 6.00 | 1.40 | |
| Total BTEX | <0.300 | 0.300 | 12/04/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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 | 12/04/2023 | 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 | 12/04/2023 | ND | 191 | 95.6 | 200 | 3.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2023 | ND | 173 | 86.3 | 200 | 1.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 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: 12/01/2023
 Reported: 12/06/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 12/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 2 (H236478-02)

| 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 | 12/04/2023 | ND | 2.00 | 99.9 | 2.00 | 4.21 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2023 | ND | 2.15 | 108 | 2.00 | 2.35 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2023 | ND | 2.30 | 115 | 2.00 | 1.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2023 | ND | 6.88 | 115 | 6.00 | 1.40 | | |
| Total BTEX | <0.300 | 0.300 | 12/04/2023 | 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 | 12/04/2023 | 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 | 12/04/2023 | ND | 191 | 95.6 | 200 | 3.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2023 | ND | 173 | 86.3 | 200 | 1.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 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: 12/01/2023
 Reported: 12/06/2023
 Project Name: MOBERLY #10 CTB
 Project Number: FORTY ACRES
 Project Location: UL / M SEC 21 T26S - R37E

Sampling Date: 12/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 3 (H236478-03)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2023 | ND | 2.00 | 99.9 | 2.00 | 4.21 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2023 | ND | 2.15 | 108 | 2.00 | 2.35 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2023 | ND | 2.30 | 115 | 2.00 | 1.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2023 | ND | 6.88 | 115 | 6.00 | 1.40 | | |
| Total BTEx | <0.300 | 0.300 | 12/04/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2023 | 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 | 12/05/2023 | ND | 191 | 95.6 | 200 | 3.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2023 | ND | 173 | 86.3 | 200 | 1.42 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- 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.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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

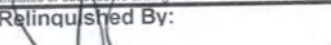



Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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| | | | | |
|---|--|--|---|--|
| Relinquished By:  | | Date: 12-1-23 Time: 1555 | Received By:  | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: |
| Relinquished By:  | | Date: Time: | Received By: | REMARKS: Email results to: pm@hungry-horse.com tyler@faenergyus.com |
| Delivered By: (Circle One) -41c #140 Sampler - UPS - Bus - Other: | | Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY: (Initials)  | |

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

Attachment VII
NMOCD Form Initial C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|----------------|----------------|
| Incident ID | nAPP2313634226 |
| District RP | |
| Facility ID | |
| Application ID | 217189 |

Release Notification

Responsible Party

| | |
|---|---|
| Responsible Party FAE II | OGRID 329326 |
| Contact Name Tyler Van Howe | Contact Telephone 281-798-4516 |
| Contact email tyler@faenergyus.com | Incident # (assigned by OCD) nAPP2313634226 |
| Contact mailing address 11757 Katy FWY Suite 725, Houston, TX 77079 | |

Location of Release Source

Latitude 32.025194 Longitude -103.17237
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|--|-----------------------------------|
| Site Name Moberly Rhodes WF Project #010 - CTB | Site Type Central Tank Battery |
| Date Release Discovered 4/20/2023 | API# (if applicable) 30-025-12019 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| I | 20 | 26S | 37E | Lea |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: D.K. Boyd)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|---|--|--|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) 4 bbls | Volume Recovered (bbls) 0 bbls |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release There appears to have been an equipment failure from a flowline or other equipment failure that caused the release. This is a historical release that occurred prior to FAE II assuming operatorship of the well.
The release has been contained and clean up is in progress.

| | |
|----------------|----------------|
| Incident ID | nAPP2313634226 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? | |

Initial Response

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

| | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> The source of the release has been stopped. | |
| <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. | |
| <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. | |
| <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| Printed Name: <u>Tyler Van Howe</u> | Title: <u>Production Engineer</u> |
| Signature: <u><i>Tyler D. VanHowe</i></u> | Date: <u>5/29/2023</u> |
| email: <u>tyler@faenergyus.com</u> | Telephone: <u>281-798-4516</u> |
| <u>OCD Only</u> | |
| Received by: <u>Jocelyn Harimon</u> | Date: <u>06/12/2023</u> |

| Released Volume Calculation | |
|-----------------------------|---------|
| Length | 10 feet |
| Width | 15 feet |
| Thickness | 2 in |

Volume = L*W*T

Total Released Volume = 186.01 gallons (US, dry)
4.43 bbls

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CONDITIONS

Action 226370

CONDITIONS

| | |
|---|---|
| Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079 | OGRID: 329326 |
| | Action Number: 226370 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| jharimon | None | 6/12/2023 |

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Oil Conservation Division
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QUESTIONS

Action 295832

QUESTIONS

| | | |
|---|----------------|---|
| Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079 | OGRID: | 329326 |
| | Action Number: | 295832 |
| | Action Type: | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | | |

QUESTIONS

| | |
|------------------|--|
| Prerequisites | |
| Incident ID (n#) | nAPP2313634226 |
| Incident Name | NAPP2313634226 MOBERLY RHODES WF PROJECT #010 - CTB @ 30-025-12019 |
| Incident Type | Oil Release |
| Incident Status | Remediation Closure Report Received |
| Incident Well | [30-025-12019] MOBERLY RHODES WF PROJECT #010 |

| | |
|--|--------------------------------------|
| Location of Release Source | |
| Please answer all the questions in this group. | |
| Site Name | MOBERLY RHODES WF PROJECT #010 - CTB |
| Date Release Discovered | 04/20/2023 |
| Surface Owner | Private |

| | |
|--|-------------|
| Incident Details | |
| Please answer all the questions in this group. | |
| Incident Type | Oil 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 | Cause: Equipment Failure Unknown Crude Oil Released: 4 BBL Recovered: 0 BBL Lost: 4 BBL. |
| Produced Water Released (bbls) Details | Not answered. |
| Is the concentration of chloride in the produced water >10,000 mg/l | Not answered. |
| 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) | This is a historical release that occurred prior to FAE II assuming operatorship of the well. The exact cause of release is unknown at this time. |

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QUESTIONS, Page 2

Action 295832

QUESTIONS (continued)

| | | |
|---|----------------|---|
| Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079 | OGRID: | 329326 |
| | Action Number: | 295832 |
| | Action Type: | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | | |

QUESTIONS

| Nature and Volume of Release (continued) | |
|---|--|
| Is this a gas only submission (i.e. only significant Mcf values reported) | More info needed to determine if this will be treated as a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | Unavailable. |
| Reasons why this would be considered a submission for a notification of a major release | Unavailable. |
| 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 | False |
| If all the actions described above have not been undertaken, explain why | Historical release, currently scheduling the cleanup of the spill mix in the sand bar on the northeast side of the CTB. |

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: 12/18/2023 |
|--|--|

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QUESTIONS, Page 3

Action 295832

QUESTIONS (continued)

| | |
|---|---|
| Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079 | OGRID: 329326 |
| | Action Number: 295832 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

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 75 and 100 (ft.) |
| What method was used to determine the depth to ground water | U.S. Geological Survey |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Greater than 5 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Greater than 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Between 1 and 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1000 (ft.) and ½ (mi.) |
| Any other fresh water well or spring | Between 1000 (ft.) and ½ (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Between ½ and 1 (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 | Greater than 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) | 32 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 175.4 |
| GRO+DRO (EPA SW-846 Method 8015M) | 77.8 |
| BTEX (EPA SW-846 Method 8021B or 8260B) | 0 |
| Benzene (EPA SW-846 Method 8021B or 8260B) | 0 |

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

| | |
|---|------------|
| On what estimated date will the remediation commence | 11/28/2023 |
| On what date will (or did) the final sampling or liner inspection occur | 12/01/2023 |
| On what date will (or was) the remediation complete(d) | 12/12/2023 |
| What is the estimated surface area (in square feet) that will be reclaimed | 600 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 18 |
| What is the estimated surface area (in square feet) that will be remediated | 600 |
| What is the estimated volume (in cubic yards) that will be remediated | 18 |

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

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

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QUESTIONS, Page 4

Action 295832

QUESTIONS (continued)

| | | |
|---|----------------|---|
| Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079 | OGRID: | 329326 |
| | Action Number: | 295832 |
| | Action Type: | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | | |

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: 12/18/2023 |
|--|--|

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

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QUESTIONS, Page 5

Action 295832

QUESTIONS (continued)

| | |
|---|---|
| Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079 | OGRID: 329326 |
| | Action Number: 295832 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| | |
|--|----|
| Deferral Requests Only | |
| Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. | |
| Requesting a deferral of the remediation closure due date with the approval of this submission | No |

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QUESTIONS, Page 6

Action 295832

QUESTIONS (continued)

| | | |
|---|----------------|---|
| Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079 | OGRID: | 329326 |
| | Action Number: | 295832 |
| | Action Type: | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | | |

QUESTIONS

| Sampling Event Information | |
|---|------------|
| Last sampling notification (C-141N) recorded | 295816 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 12/01/2023 |
| What was the (estimated) number of samples that were to be gathered | 3 |
| What was the sampling surface area in square feet | 200 |

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 | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion | Yes |
| What was the total surface area (in square feet) remediated | 600 |
| What was the total volume (cubic yards) remediated | 18 |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes |
| What was the total surface area (in square feet) reclaimed | 600 |
| What was the total volume (in cubic yards) reclaimed | 18 |
| Summarize any additional remediation activities not included by answers (above) | Remediation activities were conducted in accordance with applicable NMOCD Regulations. Soil affected above the NMOCD Closure Criteria has been removed 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. Based on laboratory analytical results, FAE II Operating, LLC respectfully requests closure of the Moberly #10 CTB location, nAPP2313634226. |

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

| | |
|--|--|
| I hereby agree and sign off to the above statement | Name: Alexis Bolanos Title: Production & Regulatory Analyst Email: alex@faenergyus.com Date: 12/18/2023 |
|--|--|

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QUESTIONS, Page 7

Action 295832

QUESTIONS (continued)

| | |
|---|---|
| Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079 | OGRID: 329326 |
| | Action Number: 295832 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| | |
|---|----|
| Reclamation Report | |
| Only answer the questions in this group if all reclamation steps have been completed. | |
| Requesting a reclamation approval with this submission | No |

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CONDITIONS

Action 295832

CONDITIONS

| | |
|---|---|
| Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079 | OGRID: 329326 |
| | Action Number: 295832 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| nvelez | None | 3/18/2024 |