



ENSOLUM

April 8, 2024

New Mexico Oil Conservation Division

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

Re: Closure Request

30-5 CDP
Harvest Four Corners, LLC
Rio Arriba County, New Mexico
NMOCD Incident Number: nAPP2401651819

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Harvest Four Corners, LLC (Harvest), presents this *Closure Request* for a release of produced water at the 30-5 Central Distribution Point (CDP, Site). The Site is located on Federal land managed by the Bureau of Land Management (BLM) in Rio Arriba County, New Mexico, Unit L, Section 18, Township 30 North, Range 5 West (Figure 1).

SITE BACKGROUND

On January 16, 2024, Harvest personnel discovered pooled water within a lined secondary containment at the Site. Upon inspection, it was discovered that a load line valve near the base of the produced water tank had frozen and cracked, releasing approximately 75 barrels (bbls) of produced water into the lined containment. The valve was repaired, and heat trace was installed to prevent future freezing issues. Harvest personnel recovered all standing produced water from the containment and performed a visual liner inspection. Harvest identified six small holes between 0.5 inches and 2 inches wide in the liner. Harvest submitted a *Report of Undesirable Event* to the BLM and a *Notification of Release* to the New Mexico Oil Conservation Division (NMOCD) on January 16, 2024. The release was assigned NMOCD Incident Number nAPP2401651819.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As part of the Site investigation, local geology/hydrogeology and nearby sensitive receptors were assessed in accordance with Title 19, Chapter 15, Part 29, Sections 11 and 12 (19.15.29.11 and 12) of the New Mexico Administrative Code (NMAC).

The Site is located within the San Jose Geologic Formation. In the report titled "*Hydrogeology and Water Resources of San Juan Basin, New Mexico*" (Stone, et. al., 1983), the San Jose Formation is characterized by interbedded sandstones and mudstones, and ranges in thickness from less than 200 feet to 2,700 feet. The hydrogeologic properties of the San Jose Formation display variable properties dependent on location and which member of the Formation the well is set in. Where sufficient yield is present, the primary use of water from this formation is for domestic

and/or livestock supply. The San Jose Formation is underlain by the Nacimiento Formation (Stone et. al, 1983).

The closest significant watercourse is an unnamed dry wash that is approximately 770 feet southeast of the Site. This wash is defined as a significant watercourse identified by a dashed blue line on a United States Geological Survey (USGS) 7.5-minute quadrangle map. The wash is a tributary to La Jara Creek, which flows northwest into Navajo Reservoir. The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake (Figure 1). The nearest fresh-water well is New Mexico Office of the State Engineer (NMOSE) permitted well SJ-02771 (Appendix A), located approximately 1.08 miles northwest of the Site and 30 feet lower in elevation. The recorded depth to water on the NMOSE database is 137 feet below ground surface (bgs). Wellhead protection areas, springs, or domestic/stock wells are not located within a ½-mile from the Site. The Site is not within a 100-year floodplain, overlying a subsurface mine, or located within an area underlain by unstable geology (area designated as low potential karst by the BLM). Schools, hospitals, institutions, churches, and/or other occupied permanent residence or structures are not located within 300 feet of the Site.

Based on the information presented above and in accordance with the *Table I, Closure Criteria for Soils Impacted by a Release* (19.15.29.12 NMAC), the following Closure Criteria were applied to the Site constituents of concern (COCs):

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) as a combination of gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO): 2,500 mg/kg
- Chloride: 20,000 mg/kg

SOIL SAMPLING ACTIVITIES

Following the discovery of the compromised liner, Harvest retained Ensolum to conduct soil sampling activities within the lined containment where holes were observed. A Notification of Sampling (C-141N) was submitted and received by the NMOCD on January 24, 2024 (Appendix B). On January 29, 2024, soil was collected using a hand auger from depths of 0 to 0.5 feet bgs, at six locations where small liner holes were observed (Figure 2). A photographic log documenting the liner holes and sample locations is included as Appendix C. During the hand auger sampling, an Ensolum geologist logged lithology, inspected the soil for petroleum hydrocarbon staining and odors, and field screened for volatile organic compounds (VOCs) using a calibrated photoionization detector (PID). Soil samples were collected directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to Eurofins Environment Testing (Eurofins) for analysis of BTEX by United States Environmental Protection Agency (EPA) Method 8021B, TPH by EPA Method 8015M/D, and chloride by EPA Method 300.0.

Laboratory analytical results from the January 2024 soil sampling event indicate that no samples contained COCs exceeding NMOCD Table I Closure Criteria. Chloride was not detected above laboratory reporting limit in any sample. Soil sample HA03@ 0-0.5' contained a total BTEX concentration of 0.406 mg/kg. BTEX was not detected above laboratory reporting limit in any other samples. Soil samples HA02@ 0-0.5', HA03 @0-0.5', HA05 @0-0.5', and HA06@ 0-0.5' contained TPH concentrations ranging from 155 mg/kg to 421 mg/kg. No TPH concentrations were detected in HA01@ 0-0.5' and HA04@ 0-0.5'. Laboratory analytical results are summarized in Table 1, and sample locations and analytical results are presented on Figure 2. The full laboratory analytical report is attached as Appendix D.

CONCLUSIONS

The release of produced water occurred within a lined containment. Samples were collected from the soil directly below six holes identified in the liner, which represent possible preferential pathways for the produced water to migrate into the soil. Soil samples collected just beneath the liner at these locations did not contain COCs that exceed NMOCD Table I Closure Criteria, and therefore, no remediation is required. As such, Harvest requests closure of Incident Number nAPP2401651819.

REFERENCES

Stone, W.; Lyford, F.; Frenzel, P.; Mizell, N.; and Padgett, E. (1983). *Hydrogeology and Water Resources of San Juan Basin, New Mexico*. Socorro: New Mexico Bureau of Mines and Mineral Resources.

We appreciate the opportunity to provide this letter to the NMOCD. If you should have any questions or comments regarding this document, please contact the undersigned.

Sincerely,

Ensolum, LLC



Reece Hanson
Project Geologist
(970) 970-210-9803
rhanson@ensolum.com



Brooke Herb
Senior Managing Geologist
(970) 403-6824
bherb@ensolum.com

cc: Emmanuel Adeloje, aadeloje@blm.gov, BLM Farmington Field Office

Attachments:

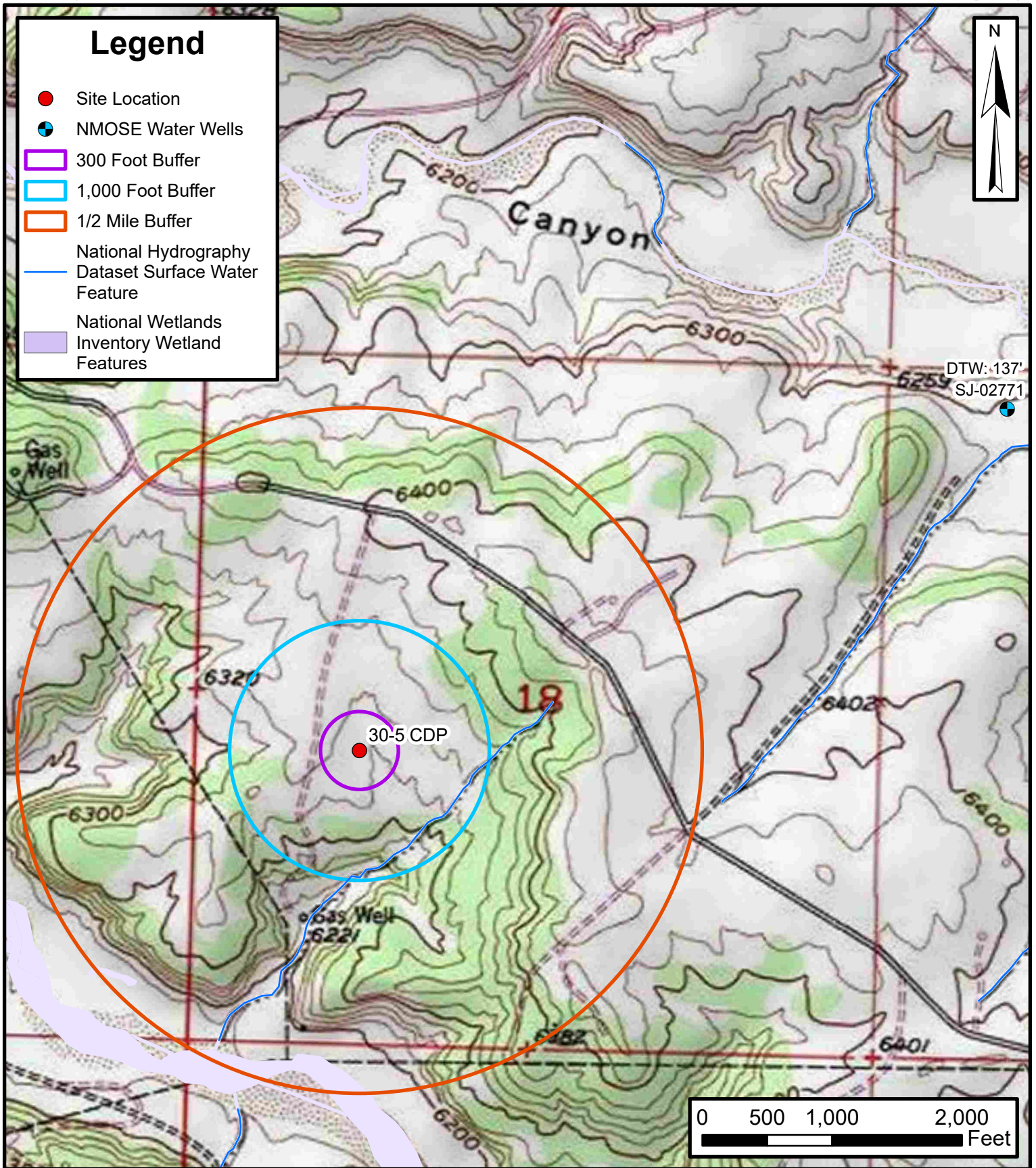
- Figure 1: Site Receptor Map
- Figure 2: Soil Sample Location Map

- Table 1: Soil Sample Analytical Results

- Appendix A: NMOSE Point of Diversion Summary
- Appendix B: Agency Sampling Notification
- Appendix C: Photographic Log
- Appendix D: Laboratory Analytical Reports



FIGURES



Site Receptor Map

30-5 CDP
Harvest Four Corners, LLC
36.811401, -107.403443
Rio Arriba County, New Mexico

FIGURE
1



Soil Sample Location Map
 30-5 CDP
 Harvest Four Corners, LLC
 36.811401, -107.403443
 Rio Arriba County, New Mexico

FIGURE
2



TABLE

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 30-5 CDP
 Harvest Four Corners, LLC
 Rio Arriba County, New Mexico

| Sample ID | Date | Depth (feet bgs) | PID (ppm) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH MRO (mg/kg) | TPH GRO+DRO | Total TPH (mg/kg) | Chloride (mg/kg) |
|---|-----------|------------------|-----------|-----------------|-----------------|----------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-------------|-------------------|------------------|
| NMOCD Closure Criteria for Soils Impacted by a Release | | | NE | 10 | NE | NE | NE | 50 | NE | NE | NE | 1,000 | 2,500 | 20,000 |
| HA01@ 0-0.5' | 1/29/2024 | 0'-0.5' | 6.6 | <0.024 | <0.049 | <0.049 | <0.097 | <0.097 | <4.9 | <9.7 | <48 | <9.7 | <48 | <60 |
| HA02@ 0-0.5' | 1/29/2024 | 0'-0.5' | 33.0 | <0.023 | <0.046 | <0.046 | <0.092 | <0.092 | <4.6 | 51 | 370 | 51 | 421 | <60 |
| HA03@ 0-0.5' | 1/29/2024 | 0'-0.5' | 269 | 0.066 | 0.13 | <0.048 | 0.21 | 0.406 | 7.5 | 40 | 240 | 47.5 | 287.5 | <60 |
| HA04@ 0-0.5' | 1/29/2024 | 0'-0.5' | 14.4 | <0.024 | <0.049 | <0.049 | <0.098 | <0.098 | <4.9 | <9.5 | <48 | <9.5 | <48 | <60 |
| HA05@ 0-0.5' | 1/29/2024 | 0'-0.5' | 4.2 | <0.025 | <0.050 | <0.050 | <0.10 | <0.10 | <5.0 | 15 | 140 | 15 | 155 | <60 |
| HA06@ 0-0.5' | 1/29/2024 | 0'-0.5' | 2.8 | <0.024 | <0.048 | <0.048 | <0.097 | <0.097 | <4.8 | 21 | 150 | 21 | 171 | <60 |

Notes:

bgs: below ground surface
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
 mg/kg: milligrams per kilogram
 NE: Not Established
 NMOCD: New Mexico Oil Conservation Division
 ': feet

GRO: Gasoline Range Organics
 DRO: Diesel Range Organics
 MRO: Motor Oil/Lube Oil Range Organics
 TPH: Total Petroleum Hydrocarbon
 <: indicates result less than the stated laboratory reporting limit (RL)



APPENDIX A

NMOSE Point of Diversion Summary



New Mexico Office of the State Engineer

Point of Diversion Summary

| | | | | | | | | |
|-----------------|-------------------|------------------------------------|-------------------|------------|------------|-----------------------|----------|----------|
| | | (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | (NAD83 UTM in meters) | | |
| Well Tag | POD Number | (quarters are smallest to largest) | Q64 Q16 Q4 | Sec | Tws | Rng | X | Y |
| | SJ 02771 | | 2 1 1 | 17 | 30N | 05W | 287141 | 4077449* |

| | | |
|-------------------------------------|---|-------------------------------|
| Driller License: 717 | Driller Company: WESTERN WATER WELLS | |
| Driller Name: HOOD, TERRY | | |
| Drill Start Date: 12/18/1997 | Drill Finish Date: 12/30/1997 | Plug Date: |
| Log File Date: 01/27/1998 | PCW Rev Date: | Source: Shallow |
| Pump Type: | Pipe Discharge Size: | Estimated Yield: 5 GPM |
| Casing Size: 5.00 | Depth Well: 325 feet | Depth Water: 137 feet |

| Water Bearing Stratifications: | Top | Bottom | Description |
|---------------------------------------|------------|---------------|-------------------------------|
| | 245 | 265 | Sandstone/Gravel/Conglomerate |
| | 282 | 325 | Sandstone/Gravel/Conglomerate |

| Casing Perforations: | Top | Bottom | |
|-----------------------------|------------|---------------|--|
| | 135 | 325 | |

*UTM location was derived from PLSS - see Help

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 any particular purpose of the data.

1/29/24 8:13 AM

POINT OF DIVERSION SUMMARY



APPENDIX B

Agency Sampling Notification

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

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

QUESTIONS
 Action 307180

QUESTIONS

| | |
|--|--|
| Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413 | OGRID: 373888 |
| | Action Number: 307180 |
| | Action Type: [NOTIFY] Notification Of Sampling (C-141N) |

QUESTIONS

| | |
|----------------------|-----------------------------|
| Prerequisites | |
| Incident ID (n#) | nAPP2401651819 |
| Incident Name | NAPP2401651819 30-5 CDP @ 0 |
| Incident Type | Produced Water Release |
| Incident Status | Notification Accepted |

Location of Release Source

| | |
|-------------------------|------------|
| Site Name | 30-5 CDP |
| Date Release Discovered | 01/16/2024 |
| Surface Owner | Federal |

Sampling Event General Information

Please answer all the questions in this group.

| | |
|---|--|
| What is the sampling surface area in square feet | 5,000 |
| What is the estimated number of samples that will be gathered | 12 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 01/29/2024 |
| Time sampling will commence | 10:00 AM |
| Please provide any information necessary for observers to contact samplers | Contact Reece Hanson, Project Manager at 970-210-9803. Work is being performed for delineation purposes; square footage does not represent the extent of impacted soils. |
| Please provide any information necessary for navigation to sampling site | 36.811782°, -107.403654° |

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 307180

CONDITIONS

| | |
|--|--|
| Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413 | OGRID: 373888 |
| | Action Number: 307180 |
| | Action Type: [NOTIFY] Notification Of Sampling (C-141N) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| bherb | Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted. | 1/24/2024 |



APPENDIX C

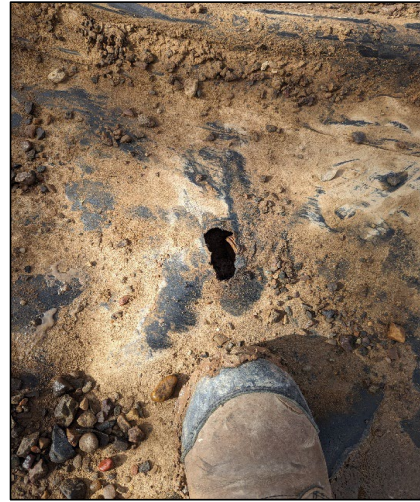
Photographic Log



Photographic Log
Harvest Four Corners, LLC
30-5 CDP
Rio Arriba County, New Mexico



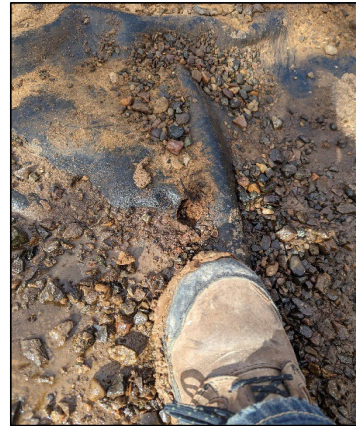
Photograph: 1 Date: 1/29/2024
Description: Liner Holes/Sampling Locations
View: North



Photograph: 2 Date: 1/29/2024
Description: Liner Hole
View: NA



Photograph: 3 Date: 1/29/2024
Description: Liner Holer
View: NA



Photograph: 4 Date: 1/29/2024
Description: Liner Hole
View: NA



APPENDIX D

Laboratory Analytical Reports



*Eurofins Environment Testing South
Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com*

February 13, 2024

Jennifer Deal

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: 30 5 CDP

OrderNo.: 2401C00

Dear Jennifer Deal:

Eurofins Environment Testing South Central, LLC received 8 sample(s) on 1/31/2024 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2401C00**

Date Reported: **2/13/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: HA01@ 0-0.5'

Project: 30 5 CDP

Collection Date: 1/29/2024 12:00:00 PM

Lab ID: 2401C00-001

Matrix: SOIL

Received Date: 1/31/2024 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | ND | 60 | | mg/Kg | 20 | 2/3/2024 1:55:50 PM | 80236 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 2/2/2024 6:38:54 PM | 80220 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 2/2/2024 6:38:54 PM | 80220 |
| Surr: DNOP | 110 | 61.2-134 | | %Rec | 1 | 2/2/2024 6:38:54 PM | 80220 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 2/5/2024 3:49:17 PM | 80203 |
| Surr: BFB | 121 | 15-244 | | %Rec | 1 | 2/5/2024 3:49:17 PM | 80203 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 2/5/2024 3:49:17 PM | 80203 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 2/5/2024 3:49:17 PM | 80203 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 2/5/2024 3:49:17 PM | 80203 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 2/5/2024 3:49:17 PM | 80203 |
| Surr: 4-Bromofluorobenzene | 92.8 | 39.1-146 | | %Rec | 1 | 2/5/2024 3:49:17 PM | 80203 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2401C00**

Date Reported: 2/13/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: HA02@ 0-0.5'

Project: 30 5 CDP

Collection Date: 1/29/2024 1:00:00 PM

Lab ID: 2401C00-003

Matrix: SOIL

Received Date: 1/31/2024 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | ND | 60 | | mg/Kg | 20 | 2/3/2024 2:08:41 PM | 80236 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | 51 | 9.2 | | mg/Kg | 1 | 2/2/2024 7:02:27 PM | 80220 |
| Motor Oil Range Organics (MRO) | 370 | 46 | | mg/Kg | 1 | 2/2/2024 7:02:27 PM | 80220 |
| Surr: DNOP | 114 | 61.2-134 | | %Rec | 1 | 2/2/2024 7:02:27 PM | 80220 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 2/5/2024 4:13:23 PM | 80203 |
| Surr: BFB | 111 | 15-244 | | %Rec | 1 | 2/5/2024 4:13:23 PM | 80203 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 2/5/2024 4:13:23 PM | 80203 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 2/5/2024 4:13:23 PM | 80203 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 2/5/2024 4:13:23 PM | 80203 |
| Xylenes, Total | ND | 0.092 | | mg/Kg | 1 | 2/5/2024 4:13:23 PM | 80203 |
| Surr: 4-Bromofluorobenzene | 93.0 | 39.1-146 | | %Rec | 1 | 2/5/2024 4:13:23 PM | 80203 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2401C00**

Date Reported: 2/13/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: HA03@ 0-0.5'

Project: 30 5 CDP

Collection Date: 1/29/2024 1:10:00 PM

Lab ID: 2401C00-004

Matrix: SOIL

Received Date: 1/31/2024 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | ND | 60 | | mg/Kg | 20 | 2/3/2024 2:21:33 PM | 80236 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | 40 | 9.7 | | mg/Kg | 1 | 2/2/2024 8:13:01 PM | 80220 |
| Motor Oil Range Organics (MRO) | 240 | 48 | | mg/Kg | 1 | 2/2/2024 8:13:01 PM | 80220 |
| Surr: DNOP | 113 | 61.2-134 | | %Rec | 1 | 2/2/2024 8:13:01 PM | 80220 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | 7.5 | 4.8 | | mg/Kg | 1 | 2/5/2024 4:37:28 PM | 80203 |
| Surr: BFB | 145 | 15-244 | | %Rec | 1 | 2/5/2024 4:37:28 PM | 80203 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | 0.066 | 0.024 | | mg/Kg | 1 | 2/5/2024 4:37:28 PM | 80203 |
| Toluene | 0.13 | 0.048 | | mg/Kg | 1 | 2/5/2024 4:37:28 PM | 80203 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 2/5/2024 4:37:28 PM | 80203 |
| Xylenes, Total | 0.21 | 0.096 | | mg/Kg | 1 | 2/5/2024 4:37:28 PM | 80203 |
| Surr: 4-Bromofluorobenzene | 93.6 | 39.1-146 | | %Rec | 1 | 2/5/2024 4:37:28 PM | 80203 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2401C00**

Date Reported: 2/13/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: HA04@ 0-05'

Project: 30 5 CDP

Collection Date: 1/29/2024 1:20:00 PM

Lab ID: 2401C00-006

Matrix: SOIL

Received Date: 1/31/2024 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | ND | 60 | | mg/Kg | 20 | 2/3/2024 2:34:24 PM | 80236 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 2/5/2024 3:16:07 PM | 80220 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 2/5/2024 3:16:07 PM | 80220 |
| Surr: DNOP | 116 | 61.2-134 | | %Rec | 1 | 2/5/2024 3:16:07 PM | 80220 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 2/5/2024 5:49:35 PM | 80203 |
| Surr: BFB | 104 | 15-244 | | %Rec | 1 | 2/5/2024 5:49:35 PM | 80203 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 2/5/2024 5:49:35 PM | 80203 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 2/5/2024 5:49:35 PM | 80203 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 2/5/2024 5:49:35 PM | 80203 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 2/5/2024 5:49:35 PM | 80203 |
| Surr: 4-Bromofluorobenzene | 90.0 | 39.1-146 | | %Rec | 1 | 2/5/2024 5:49:35 PM | 80203 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2401C00**

Date Reported: **2/13/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: HA05@ 0-05'

Project: 30 5 CDP

Collection Date: 1/29/2024 1:30:00 PM

Lab ID: 2401C00-007

Matrix: SOIL

Received Date: 1/31/2024 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | ND | 60 | | mg/Kg | 20 | 2/3/2024 2:47:17 PM | 80236 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | 15 | 9.6 | | mg/Kg | 1 | 2/2/2024 8:59:55 PM | 80220 |
| Motor Oil Range Organics (MRO) | 140 | 48 | | mg/Kg | 1 | 2/2/2024 8:59:55 PM | 80220 |
| Surr: DNOP | 119 | 61.2-134 | | %Rec | 1 | 2/2/2024 8:59:55 PM | 80220 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 2/5/2024 6:13:34 PM | 80203 |
| Surr: BFB | 107 | 15-244 | | %Rec | 1 | 2/5/2024 6:13:34 PM | 80203 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 2/5/2024 6:13:34 PM | 80203 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 2/5/2024 6:13:34 PM | 80203 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 2/5/2024 6:13:34 PM | 80203 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 2/5/2024 6:13:34 PM | 80203 |
| Surr: 4-Bromofluorobenzene | 92.1 | 39.1-146 | | %Rec | 1 | 2/5/2024 6:13:34 PM | 80203 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2401C00**

Date Reported: 2/13/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: HA06@ 0-05'

Project: 30 5 CDP

Collection Date: 1/29/2024 1:40:00 PM

Lab ID: 2401C00-008

Matrix: SOIL

Received Date: 1/31/2024 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | ND | 60 | | mg/Kg | 20 | 2/3/2024 3:00:08 PM | 80236 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | 21 | 9.3 | | mg/Kg | 1 | 2/2/2024 9:23:18 PM | 80220 |
| Motor Oil Range Organics (MRO) | 150 | 47 | | mg/Kg | 1 | 2/2/2024 9:23:18 PM | 80220 |
| Surr: DNOP | 121 | 61.2-134 | | %Rec | 1 | 2/2/2024 9:23:18 PM | 80220 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 2/5/2024 6:37:32 PM | 80203 |
| Surr: BFB | 104 | 15-244 | | %Rec | 1 | 2/5/2024 6:37:32 PM | 80203 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 2/5/2024 6:37:32 PM | 80203 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 2/5/2024 6:37:32 PM | 80203 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 2/5/2024 6:37:32 PM | 80203 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 2/5/2024 6:37:32 PM | 80203 |
| Surr: 4-Bromofluorobenzene | 90.2 | 39.1-146 | | %Rec | 1 | 2/5/2024 6:37:32 PM | 80203 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2401C00

13-Feb-24

Client: Harvest
Project: 30 5 CDP

| Sample ID: MB-80236 | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 80236 | RunNo: 102858 | | | | | | | | |
| Prep Date: 2/2/2024 | Analysis Date: 2/3/2024 | SeqNo: 3800520 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-80236 | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 80236 | RunNo: 102858 | | | | | | | | |
| Prep Date: 2/2/2024 | Analysis Date: 2/3/2024 | SeqNo: 3800521 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 95.3 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2401C00

13-Feb-24

Client: Harvest
Project: 30 5 CDP

| Sample ID: MB-80224 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|----------------------------|--------------------------------|-----|--|-------------|------|----------|--------------------|------|----------|------|
| Client ID: PBS | Batch ID: 80224 | | RunNo: 102843 | | | | | | | |
| Prep Date: 2/1/2024 | Analysis Date: 2/2/2024 | | SeqNo: 3800103 | | | | Units: %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 12 | | 10.00 | | 123 | 61.2 | 134 | | | |

| Sample ID: LCS-80224 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|--------------------------------|-----|--|-------------|------|----------|--------------------|------|----------|------|
| Client ID: LCSS | Batch ID: 80224 | | RunNo: 102843 | | | | | | | |
| Prep Date: 2/1/2024 | Analysis Date: 2/2/2024 | | SeqNo: 3800104 | | | | Units: %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 6.4 | | 5.000 | | 127 | 69 | 147 | | | |

| Sample ID: MB-80220 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|--------------------------------|-----|--|-------------|------|----------|---------------------|------|----------|------|
| Client ID: PBS | Batch ID: 80220 | | RunNo: 102843 | | | | | | | |
| Prep Date: 2/1/2024 | Analysis Date: 2/2/2024 | | SeqNo: 3800108 | | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 11 | | 10.00 | | 110 | 61.2 | 134 | | | |

| Sample ID: LCS-80220 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|--------------------------------|-----|--|-------------|------|----------|---------------------|------|----------|------|
| Client ID: LCSS | Batch ID: 80220 | | RunNo: 102843 | | | | | | | |
| Prep Date: 2/1/2024 | Analysis Date: 2/2/2024 | | SeqNo: 3800109 | | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 59 | 10 | 50.00 | 0 | 117 | 61.9 | 130 | | | |
| Surr: DNOP | 5.9 | | 5.000 | | 119 | 69 | 147 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2401C00

13-Feb-24

Client: Harvest
Project: 30 5 CDP

| Sample ID: ics-80203 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 80203 | RunNo: 102873 | | | | | | | | |
| Prep Date: 2/1/2024 | Analysis Date: 2/5/2024 | SeqNo: 3800986 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 26 | 5.0 | 25.00 | 0 | 102 | 70 | 130 | | | |
| Surr: BFB | 2100 | | 1000 | | 206 | 15 | 244 | | | |

| Sample ID: mb-80203 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 80203 | RunNo: 102873 | | | | | | | | |
| Prep Date: 2/1/2024 | Analysis Date: 2/5/2024 | SeqNo: 3800987 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 990 | | 1000 | | 99.1 | 15 | 244 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2401C00

13-Feb-24

Client: Harvest
Project: 30 5 CDP

| Sample ID: LCS-80203 | SampType: LCS | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|-----------------------------|--------------------------------|-------|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 80203 | | RunNo: 102873 | | | | | | | |
| Prep Date: 2/1/2024 | Analysis Date: 2/5/2024 | | SeqNo: 3800993 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.84 | 0.025 | 1.000 | 0 | 84.4 | 70 | 130 | | | |
| Toluene | 0.84 | 0.050 | 1.000 | 0 | 84.2 | 70 | 130 | | | |
| Ethylbenzene | 0.85 | 0.050 | 1.000 | 0 | 85.4 | 70 | 130 | | | |
| Xylenes, Total | 2.6 | 0.10 | 3.000 | 0 | 85.8 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.91 | | 1.000 | | 91.1 | 39.1 | 146 | | | |

| Sample ID: mb-80203 | SampType: MBLK | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|----------------------------|--------------------------------|-------|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 80203 | | RunNo: 102873 | | | | | | | |
| Prep Date: 2/1/2024 | Analysis Date: 2/5/2024 | | SeqNo: 3800994 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.89 | | 1.000 | | 88.6 | 39.1 | 146 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Sample Log-In Check List

Client Name: Harvest Work Order Number: 2401C00 RcptNo: 1

Received By: Tracy Casarrubias 1/31/2024 7:00:00 AM

Completed By: Tracy Casarrubias 1/31/2024 9:03:45 AM

Reviewed By: *JWC/3/24*

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: *[Signature]* 1/31/24

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------------|--|--|--|
| Person Notified: _____ | Date: _____ | | |
| By Whom: _____ | Via: <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person | | |
| Regarding: _____ | | | |
| Client Instructions: _____ | | | |

- 16. Additional remarks:
Mailing address and phone number are missing on COC- TMC 1/31/24

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 4.6 | Good | Yes | Yogi | | |

Chain-of-Custody Record

Client: Harvest Midstream

Attn: Jennifer Deal

Mailing Address:

Phone #:

email or Fax#: Jdeal@harvestmidstream.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type)

Turn-Around Time: 5-day
 Standard Rush

Project Name: 30-5 CDP

Project #:

Project Manager: B. Herb AT R. Hanson

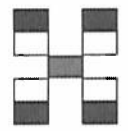
Sampler: Al Thomson

On Ice: Yes No 40g

of Coolers: 1

Cooler Temp (including CF): 4.7-0.1=4.6 (°C)

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|------|------|--------|-------------|----------------------|-------------------|----------|
| 1-29 | 1200 | Soil | HAD1@0-0.5' | 1x 4oz | Cool | 2401000 |
| | 1210 | Soil | HAD1@2-2.5' | | | 001 |
| | 1300 | | HAD2@0-0.5' | | | 002 |
| | 1310 | | HA03@0-0.5' | | | 003 |
| | 1400 | | HA03@1-1.5' | | | 004 |
| | 1320 | | HA04@0-0.5' | | | 005 |
| | 1330 | | HA05@0-0.5' | | | 006 |
| ✓ | 1340 | ✓ | HA06@0-0.5' | ✓ | ✓ | 007 |
| | | | | | | 008 |



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| BTEX, MIBE, TMBs (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl ⁻ , Br ⁻ , NO ₃ ⁻ , NO ₂ ⁻ , PO ₄ ⁻³ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) |
|-------------------------|----------------------------|----------------------------|--------------------|--------------------------|---------------|---|------------|-----------------|---------------------------------|
| X | X | | | | | X | | | Hold |
| X | X | | | | | X | | | X |
| X | X | | | | | X | | | |
| X | X | | | | | X | | | X |
| X | X | | | | | X | | | |
| X | X | | | | | X | | | |
| X | X | | | | | X | | | |

Date: 1-30 Time: 1500 Relinquished by: Al Thomson
 Received by: Chawas Date: 1/30/24 Time: 145
 Date: 1/30/24 Time: 1728 Relinquished by: Chawas
 Received by: Chawas Date: 1/31/24 Time: 7:00

Remarks: Please CC: Rhanson@ensolum.com Bherb@ensolum.com

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

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

QUESTIONS

Action 332498

QUESTIONS

| | | |
|--|----------------|---|
| Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413 | OGRID: | 373888 |
| | Action Number: | 332498 |
| | Action Type: | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | | |

QUESTIONS

| | |
|----------------------|-------------------------------------|
| Prerequisites | |
| Incident ID (n#) | nAPP2401651819 |
| Incident Name | NAPP2401651819 30-5 CDP @ 0 |
| Incident Type | Produced Water Release |
| Incident Status | Remediation Closure Report Received |

Location of Release Source

Please answer all the questions in this group.

| | |
|-------------------------|------------|
| Site Name | 30-5 CDP |
| Date Release Discovered | 01/16/2024 |
| Surface Owner | Federal |

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

| | |
|--|---|
| Crude Oil Released (bbls) Details | Not answered. |
| Produced Water Released (bbls) Details | Cause: Freeze Water Tank Produced Water Released: 75 BBL Recovered: 75 BBL Lost: 0 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | No |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Not answered. |

District I
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Oil Conservation Division
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QUESTIONS, Page 2

Action 332498

QUESTIONS (continued)

| | |
|--|---|
| Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413 | OGRID: 373888 |
| | Action Number: 332498 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | |

QUESTIONS

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

Initial Response

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | |
|--|--|
| I hereby agree and sign off to the above statement | Name: Brooke Herb Title: regulatory analyst Email: bherb@ensolum.com Date: 01/31/2024 |
|--|--|

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QUESTIONS, Page 3

Action 332498

QUESTIONS (continued)

| | | |
|--|----------------|---|
| Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413 | OGRID: | 373888 |
| | Action Number: | 332498 |
| | 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 100 and 500 (ft.) |
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Between 500 and 1000 (ft.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between 1000 (ft.) and ½ (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Between 1 and 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1 and 5 (mi.) |
| Any other fresh water well or spring | Between 1 and 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Between 1 and 5 (mi.) |
| A wetland | Between 500 and 1000 (ft.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | Low |
| A 100-year floodplain | Between 1000 (ft.) and ½ (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 |
| <i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i> | |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | Yes |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i> | |
| On what estimated date will the remediation commence | 01/24/2024 |
| On what date will (or did) the final sampling or liner inspection occur | 01/24/2024 |
| On what date will (or was) the remediation complete(d) | 01/24/2024 |
| What is the estimated surface area (in square feet) that will be remediated | 0 |
| What is the estimated volume (in cubic yards) that will be remediated | 0 |

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

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

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QUESTIONS, Page 4

Action 332498

QUESTIONS (continued)

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|--|---|
| Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413 | OGRID: 373888 |
| | Action Number: 332498 |
| | 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.)

| | |
|--|--|
| Is (or was) there affected material present needing to be removed | No |
| Is (or was) there a power wash of the lined containment area (to be) performed | No |
| OTHER (Non-listed remedial process) | Yes |
| Other Non-listed Remedial Process. Please specify | Samples collected beneath the liner do not exceed Table I Closure Criteria, no remediation required. |

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: Brooke Herb Title: regulatory analyst Email: bherb@ensolum.com Date: 04/11/2024 |
|--|--|

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 6

Action 332498

QUESTIONS (continued)

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|--|---|
| Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413 | OGRID: 373888 |
| | Action Number: 332498 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

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|---|----------------|
| Liner Inspection Information | |
| Last liner inspection notification (C-141L) recorded | {Unavailable.} |
| Was all the impacted materials removed from the liner | Unavailable. |

| | |
|---|--|
| Remediation Closure Request | |
| <i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i> | |
| Requesting a remediation closure approval with this submission | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | Yes |
| What was the total surface area (in square feet) remediated | 0 |
| What was the total volume (cubic yards) remediated | 0 |
| Summarize any additional remediation activities not included by answers (above) | Samples collected beneath the liner do not exceed Table I Closure Criteria, no remediation required. |

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: Brooke Herb Title: regulatory analyst Email: bherb@ensolum.com Date: 04/11/2024 |
|--|--|

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CONDITIONS

Action 332498

CONDITIONS

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|--|---|
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CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| nvez | Liner inspection approved, release resolved. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops. | 5/13/2024 |