



October 6, 2025

District Supervisor
Oil Conservation Division, District 2
506 W. Texas
Artesia, New Mexico 88210

**Re: Closure Report
BTA Oil Producers, LLC
Harroun Ranch East Tank Battery Release
Unit O, Section 20, Township 23 South, Range 29 East
Eddy County, New Mexico
Incident ID nAPP2202845563**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was retained by BTA Oil Producers, LLC (BTA) to complete remediation begun by Ensolum associated with a release from Harroun Ranch East Tank Battery (fAPP2129830694). The approximate release site coordinates are 32.284081°-104.002952°, located in the Public Land Survey System (PLSS) Unit O, Section 20, Township 23 South, Range 29 East, Eddy County, New Mexico (Site). The Site location is shown in Figures 1 and 2. According to the New Mexico Oil Conservation Division (NMOCD) Oil and Gas Map, the Site is located on Federal lands managed by the Bureau of Land Management (BLM). This Closure Report will be duly provided to the BLM for review and approval.

BACKGROUND

According to the NMOCD C-141 Initial Report, the release was discovered on January 27, 2022. A coupling on the water line used to fill the produced water tank failed, resulting in the release of approximately 275 barrels (bbls) of produced water inside and outside of the lined secondary containment. The tank battery area is adjacent to several salt lakes and virtually surrounded by salt mining operations. An emergency response was initiated immediately, and approximately 200 barrels of produced water were recovered from inside the containment and from the area outside the containment, adjacent to the battery pad. Following recovery efforts, BTA reported the release to the New Mexico Oil Conservation Division (NMOCD) via a Release Notification Form C-141 (Form C-141) on January 28, 2022. The notice of the release and C-141 forms are included in Attachment 1. The release was assigned Incident Number nAPP2202845563. Ensolum began site assessment and remediation work at the Site on behalf of BTA in 2023.

Tetra Tech was retained in 2025 to complete work begun by Ensolum. There are layers of email correspondence between Mike Bratcher and BTA (Ray Ramos) regarding the Site and work completed. Based on the correspondence, there was confusion regarding the completion of remediation at the Site. Mr. Ramos had provided data and figures to the NMOCD via email, based on the work completed by Ensolum. There was an apparent miscommunication between BTA and NMOCD regarding the work at the Site, and it is apparent that Mr. Ramos misinterpreted an email from Mr. Bratcher of the NMOCD in which Mr. Bratcher stated that "From what I see here and where this release is situated relative to the salt lake, you are probably done. ..." Copies of the regulatory correspondence are included in Attachment 4.

On November 4, 2024, Mr. Ray Ramos, representing BTA, corresponded with Mr. Mike Bratcher of the NMOCD, requesting site closure and no further action via email based on the Ensolum Work. A copy of his documentation is included in Attachment 3. At this juncture, Ensolum had ceased providing services to BTA for this project. Once Tetra Tech became involved in the remediation, it became clear that remediation at the Site was not completed to the standards required by 19.15.29 NMAC, and that additional remedial activities and sampling would be required.

Tetra Tech, Inc.

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SITE CHARACTERIZATION

A site characterization was performed, and no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is within a New Mexico oil and gas production area.

The closest significant waterbody to the Site is a Salt Lake located approximately 200 feet north. The Site is less than 200 feet from a lakebed, sinkhole, or playa lake, and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The site is not within a 100-year floodplain or subsurface mine and is not underlain by unstable geology. The site is in an area of medium karst potential.

According to the NMOSE reporting system, there are no water wells within ½ mile (800 meters) of the Site. There are five (5) water wells listed in the New Mexico Office of the State Engineer (NMOSE) database located within approximately 1 mile (1700 meters) of the site with an average depth to water of 44-feet below ground surface (bgs). The site characterization data is presented in Attachment 2.

REGULATORY FRAMEWORK

By Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended initial remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the initial RRALs for the Site are as follows:

Constituent	Site RRAL
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Recent correspondence and additional sampling events have necessitated discussion regarding these action levels for this incident. A revised site characterization is provided in subsequent report sections.

CHLORIDE BACKGROUND ASSESSMENT

Ensolum 2023 Background Sampling

On May 19 and 22, 2023, Ensolum personnel conducted background sample collection to investigate potentially elevated naturally occurring chloride concentrations due to the proximity of the Salt Lake. A total of five background hand auger boreholes (BH01 through BH05) were advanced in undisturbed areas surrounding the release. Due to shallow refusal, Ensolum personnel returned to the Site on September 27, 2023, with heavy equipment to collect additional background samples. Six (6) additional background pothole locations (BH06 through BH11) were also advanced in the area surrounding the release extent.

Based on the analytical results from background samples collected from undisturbed and unimpacted areas surrounding the release, BTA (via Ensolum) proposed a background chloride concentration of 5,365 mg/kg. Based on a review of the analytical results of soil samples collected within the release, five soil sample locations exceeded

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the proposed background concentration and were scheduled by Ensolum to be remediated according to the unapproved work plan (SS10, SS14, SS16, SS17, and SS20/SS20A). The results of the May 2023 assessment sampling events are summarized in Table 1.

On January 28, 2025, the NMOCD rejected the Ensolum proposed background concentration of 5,365 mg/kg, stating that the NMOCD could not confirm the chloride background concentrations with the submitted information and required the methodology to develop the proposed background concentration standard. The NMOCD also stated that the BTA must remediate the fully delineated impact area exceeding the chloride standard of 600 mg/Kg if the proposed background concentration cannot be justified to the NMOCD.

Tetra Tech Initial Background Assessment

Based on a review of the background data collected by Ensolum, and the rejection of their proposed background concentration, Tetra Tech mobilized to collect background in the vicinity of the northernmost excavation (closest to Salt Lake) on February 11, 2025. Three (3) designated areas adjacent to the northernmost portion of the Harroun Ranch East Release (indicated in Figure 5) were sampled. The NMOCD prescribed protocol for background sampling was followed. Collected samples (BG-1 through BG-3) were submitted to Cardinal Laboratory for analysis of chloride by SM4500CI-B. Sampling locations are indicated in Figure 5. The results of the background sampling are presented in Table 2.

NMOCD Communication Regarding Background Assessment

Due to the aforementioned confusion between BTA and NMOCD, Tech set up a conference call to discuss the work, the site conditions, and possibilities for a path forward. During the call, it was agreed that the NMOCD required additional background sampling (although the February sampling data were acceptable) to accurately characterize naturally occurring chloride levels and that the sampling would be conducted across the release footprint area to simulate a sliding scale, reflecting variations in chloride concentrations relative to the distance from the Salt Lake.

A subsequent conference call was held on March 25, 2025, with NMOCD representatives Mr. Bratcher and Mr. Nelson Velez. During that call, the collected background results were reviewed and evaluated. The NMOCD confirmed that a background level can be determined from the collected data; however, this determination is limited to the specific area from which the samples were obtained. During the call, the NMOCD requested that a comprehensive chloride background assessment be conducted for the middle and upper sections of the release area. It was noted that this assessment should illustrate the gradient of soil salinity relative to proximity to the Salt Lake, using an arbitrary boundary to define the three distinct background zones.

On April 1, 2025, Tetra Tech requested a 90-day extension, which was subsequently approved by the New Mexico Oil Conservation Division (NMOCD). Through this correspondence, it was agreed that Tetra Tech will submit additional background concentration data, along with additional sampling locations, to the NMOCD prior to conducting further background sampling. Upon completion of the additional background sampling and remedial activities, and after the confirmation sampling data has been collected, tabulated, and evaluated, a closure report will be submitted to the NMOCD for review. Based on the extensive planning and coordination needed prior to the execution of additional remediation, an additional 30-day extension was requested on July 1, 2025, and subsequently approved. Copies of the regulatory correspondence are included in Attachment 4.

Tetra Tech Additional Background Assessment

Tetra Tech remobilized to the site on April 14, 2025, to complete additional background assessment sampling. Eight (8) designated areas adjacent to the middle and upper portion of the Harroun Ranch East Release (indicated in Figure 5) were sampled per NMOCD instruction. Tetra Tech collected samples BG-4 through BG-11, which were submitted to Cardinal Laboratory for analysis of chloride by SM4500CI-B. The results of the background sampling are presented in Table 2.

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An average of the individual samples from the upper four feet (0-1', 1'-2', 2'-3', and 3'-4') was used to calculate a background concentration for the release site for all three zones. Based on this directive, a background level of 14,439 mg/kg for chloride is applicable to the area of the release in closest proximity to the Salt Lakes (Zone 1). A background level of 1,387 mg/kg is applicable for the center area of the release (Zone 2) and the most stringent RRALS in accordance with Table I of 19.15.29.12 NMAC would be used for the uppermost portion of the release area in furthest proximity to the Salt Lakes (Zone 3). A breakdown of the calculations is provided in Tables 3 through 5. Copies of laboratory analysis and chain-of-custody documentation are included in Attachment 5. based on the additional background sampling, the zone-based RRALS for benzene, BTEX, and TPH are unchanged from above. Background chloride RRALS are as follows:

Chloride Background RRALS by Zone

Zone	Chloride RRALS
Zone 1	14,439 mg/kg
Zone 2	1,387 mg/kg
Zone 3	600 mg/kg

Analytical laboratory results associated with BG-1 through BG-7 exceeded the previously established Site RRAL of 600 mg/kg limit for chlorides. Based on the abundance of background data collected in 2025, it can be concluded that naturally occurring chlorides are prevalent in this area and within the release footprint.

LINER INTEGRITY

2023 Ensolum Liner Inspection

In accordance with 19.15.29.11(A)(5)(a) NMAC, notification of a liner inspection at the Harroun Ranch East Tank Battery was submitted to the NMOCD via email. On May 5, 2023, Ensolum personnel were on site to perform an inspection of the liner within the containment area of the Harroun Ranch East Tank Battery. This work was completed to investigate the integrity of the liner. The liner was observed to underlie the entirety of the tank battery containment area and was encompassed by an approximately 2-foot-tall muscle wall. The liner was anchored on the interior. The findings were included in the Ensolum Rejected Remediation Work Plan.

2025 Tetra Tech Liner Inspection

On July 25, 2025, Tetra Tech personnel were on site to perform a subsequent inspection of the liner within the containment area of the Harroun Ranch East TB. This work was completed to verify the current integrity of the liner. In accordance with 19.15.29.11(A)(5)(a) NMAC, notification of a liner inspection at the Harroun Ranch East TB was submitted via the NMOCD portal on July 22, 2025. The liner inspection notification is included in Attachment 3.

The liner was observed to underlie the entirety of the tank battery containment area. The liner was intact with no visible rips or tears and encompassed by an approximately 2-foot-tall muscle wall. The liner was anchored on the interior. At the time of the inspection, the liner was intact and had the ability to contain the documented release. Photographic documentation of the liner inspection is included in Attachment 4. This portion of Eddy County (area of the Harroun East TB) experienced a rain event prior to the official liner inspection. Photographs of the liner during the inspection indicate areas of standing rainwater from these weather events. The standing fluid observed in the official liner inspection photographs lends further evidence to the integrity of the liner as a competent fluid barrier.

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2023 SITE ASSESSMENT ACTIVITIES (ENSOLUM)

On May 8, 2023, Ensolum personnel conducted a Site visit to evaluate the release extent based on information provided on the Form C-141 and visual observations. Ensolum personnel collected 19 soil samples (SS01 through SS19) within and around the release extent from a depth of 0.5 feet bgs. On May 11, 2023, Ensolum personnel advanced one borehole (BH01) via hand-auger at the location of a tear in the liner identified during the liner integrity inspection. A discrete delineation soil sample was collected from the borehole at a depth of approximately 0.5 feet bgs. Soil from the borehole was field screened for VOCs and chloride.

Ensolum returned to the Site on May 19 and 22, 2023, to conduct additional vertical delineation at SS08 and SS09, where a hand auger was advanced to a depth of 1-foot bgs and 5 feet bgs, respectively. Due to shallow refusal, Ensolum personnel returned to the Site on September 27, 2023, with heavy equipment to collect additional delineation samples. A total of four (4) additional delineation potholes were advanced (SS20 through SS23) within and around the release extent to depths ranging from 2 feet to 10 feet bgs.

REMEDIATION WORK PLAN (ENSOLUM)

Remediation Work Plan Submission (Ensolum)

Based on the site assessment results and proposed background concentrations, Ensolum prepared and submitted a Remediation Work Plan to the NMOCD on July 22, 2024. In the report, Ensolum proposed the following:

- Excavation of impacted soil to a maximum depth of approximately 6 feet bgs in areas exceeding the proposed naturally occurring chloride concentration of 5,365 mg/kg.
- Confirmation soil samples will be 5-point composite samples representing at most 200 square feet in area. Samples will be collected from the floor and sidewalls of the excavation. Since BTEX and TPH were not detected in any soil samples, Ensolum is requesting a variance and only submitting confirmation soil samples for analysis of chloride.
- The proposed excavation extents measure approximately 37,500 square feet. Based on a maximum excavation depth of 6 feet bgs, an estimated 8,000 cubic yards of impacted soil will be excavated.
- The excavated soil will be transported and disposed of at a New Mexico approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions.

Remediation Work Plan Rejection (Ensolum)

The NMOCD rejected the Remediation Work Plan on January 8, 2025, for the following reasons:

1. *OCD could not confirm the chloride background with the information provided. Please submit how BTA derived the chloride value to be used as its proposed closure standard.*
2. *Must remediate the fully delineated impact area exceeding the chloride standards (currently 600 mg/Kg) or until bullet #1 has been confirmed.*
3. *Variance request to eliminate the Total Petroleum Hydrocarbons, benzene, toluene, ethylbenzene, and total xylenes from further laboratory analysis would be approved once the remediation plan has been completed and approved.*
4. *BTA has 90-days (April 8, 2025) to submit to OCD its appropriate or final remediation closure report. "In order for deferrals to be approved, ECO follows NMOCD rules, full vertical and horizontal delineation must be provided. This would need to be completed in proximity of the wellhead(s). For future reports, please include sample depths on the laboratory summary tables."*

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INITIAL REMEDIATION ACTIVITIES

2024 Ensolum Excavation

Ensolum began remedial action at the Site in 2024, based on the Ensolum Work Plan, as written, without NMOCD WP approval or NMOCD-approved background chloride levels.

On August 12, 2024, Ensolum personnel were onsite to supervise remediation and reclamation activities at the Site, including excavation, disposal, and confirmation sampling. The NMOCD was provided with proper notification of confirmation sampling. Impacted soils were excavated as indicated in Figure 4. The area within the release footprint closest to the Salt Lake was excavated to a maximum depth of 4 feet below the surrounding grade. Excavated material was stockpiled on plastic before being transferred off-site. Approximately 1,718 cubic yards of material were transported to a licensed disposal facility in New Mexico.

Following the excavation of an approximate area of 39,470 sq ft., confirmation floor and sidewall samples were collected and submitted for laboratory analysis to verify the efficacy of remediation activities. Confirmation samples were collected such that each 5-point composite sample (sidewall and floor) was representative of no more than 200 square feet of excavated area. A total of one hundred and ninety-five (195) confirmation floor sample locations and eighteen (18) confirmation sidewall sample locations were used during remedial activities. Excavated areas, depths, and confirmation sample locations are indicated in Figure 4.

Additionally, twenty-six (26) samples labeled "CS-#" were collected from a section of the release area identified by Ensolum as the "area of concern," situated within the right-of-way near the Harroun East tank battery. Tetra Tech understands that no excavation activities were conducted in this location. Sample locations are indicated in Figure 4A.

Collected confirmation samples were submitted to Cardinal Laboratory for analysis of TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chloride by SM4500Cl-B. The results of the Ensolum August 2024 confirmation sampling events are summarized in Table 1 of Attachment 3.

2025 BTA Excavation

Remedial action was carried out by BTA in 2025 over an approximately 13,753 sq ft. area, near the battery, in the southern portion of the extent. However, it should be noted that confirmation samples were not collected during the remedial work performed by BTA. Unfortunately, this area was inadvertently backfilled with clean soil before confirmation sampling could be conducted by Tetra Tech. Despite this, BTA has maintained photographic documentation of the remedial activities, which is available for review in Attachment 6. Impacted soils were excavated as indicated in Figure 6.

FINAL REMEDIATION AND CONFIRMATION SAMPLING

Tetra Tech Site Inspection

Tetra Tech conducted a visual Site Inspection on Tuesday, June 10, 2025, to evaluate current conditions at the Site and gain insight into the events that transpired after BTA personnel elected to begin remediation in 2025. Based on the site conditions and the newly established background chloride concentrations, confirmation sampling was necessary to demonstrate that all impacted material had been effectively removed. Additionally, two additional areas required excavation to address residual impacts (Areas of SS10 and SS12) based on Ensolum assessment data. All other analytical results were below the applicable site RRALS for chloride for each zone. A variance request to sample at a frequency of every 500 square feet for the southern portion of the extent previously backfilled was requested via email on June 17, 2025. The variance was denied; however, NMOCD allowed 400 square feet per composite from the excavation floor and 200 square feet from the sidewall samples. A copy of the variance request is included in Attachment 4.

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2025 Tetra Tech Remediation

From July 14 to September 3, 2025, Tetra Tech personnel were onsite to supervise the additional remediation activities, including excavation, disposal, confirmation sampling, and final backfill. On July 9, 2025, the NMOCD was provided with proper notification of confirmation sampling. Documentation of associated regulatory correspondence is included in Attachment 4. Impacted soils were excavated as indicated in Figure 7. Areas were excavated to a maximum depth of 5 feet below the surrounding grade. Photographs from the excavated areas prior to backfill are provided in Attachment 6.

Per the NMOCD-approved Alternative Confirmation Sampling Plan, confirmation samples were collected such that each discrete sample (sidewall and floor) was representative of no more than 400 square feet of excavated area. A total of thirty-five (35) confirmation floor sample locations and nineteen (19) confirmation sidewall sample locations were used during additional remedial activities. Confirmation sidewall sample locations were categorized by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths, and confirmation sample locations are indicated in Figure 7.

On Thursday, July 17, 2025, BTA contractors began excavating in the area of Ensolum assessment sample SS10 and SS12. Based on the established background of that area of 1,387 mg/kg chloride, the collected laboratory analytical data for the floor samples (FS-1, FS-3, FS-5, FS-6, FS-10, and FS-31) collected from the base/floor of the excavation slightly exceeded the established Background values. On Monday, July 28, 2025, as directed by NMOCD, BTA conducted additional vertical delineation efforts in the areas of FS-5 and FS-6, targeting zones with the highest chloride concentrations. The areas were potholed to depths of 8 ft bgs, 9 ft bgs., and 10 ft bgs. Analytical results are included in Table 6. Delineation was not achieved in either area, and chloride concentrations remain variable, with values continuing to exceed the established background levels for the area with increased depth. Therefore, based on the established RRALS of that area of 600 mg/kg chloride, the collected laboratory analytical data for the floor samples (FS-5 and FS-6) exceeded the established Background value at all depths. Tetra Tech requested a variance on August 14, 2025, to leave the remaining soil chloride concentrations in place below 4 feet bgs as it does not pose a risk to fresh water, public health, and the environment. The NMOCD approved this variance on August 27, 2025. A copy of the variance request is included in Attachment 4. The sample locations with remaining impacts subject to the variance are shown in Figure 8.

While attempting to pothole for a deeper excavation floor sample in the area of Ensolum assessment sample SS12, the BTA subcontractor encountered a shallow water table at 4.5 feet bgs, resulting in the saturation of the pothole with water, presumably a perched water table in this low-lying area. A variance request to leave the soils with slightly elevated chloride in place and backfill with clean material based on the groundwater in this area being highly influenced by the adjacent salt lakes, and additional excavation being impractical and unproductive, was requested on July 22, 2025. Nelson of the NMOCD responded with a request for a water sample to be taken from the Salt Lake to confirm that the water is unprotectable. A copy of the variance request is included in Attachment 4.

A surface water sample was collected on September 3, 2025, from the adjacent Salt Lake. The surface water sample collection location is presented in Figure 5. The analytical results associated with the background surface water are summarized in Table 8. The analytical results indicate natural chloride concentrations of approximately 180,000 mg/L and TDS of approximately 326,000 mg/L in surface water. The collected water sample proves the groundwater in this area is unprotectable, and the vertical extent in the area of FS-31 was reached at 4.5 ft bgs. Therefore, no variance is warranted for analytical results that exceeded the established Site RRALS. Excavated areas, depths, and confirmation sample locations are indicated in Figure 7A.

In the area of Ensolum assessment sample SS11 and the portion of the release located within the drainage feature, Tetra Tech collected five (five) confirmation samples. These samples were obtained to verify that no residual impacts remained within that section of the approximate release extent and confirm the absence of contamination. All analytical results were below applicable cleanup levels. Confirmation sample locations are indicated in Figure 7A.

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All excavated material was transported off-site for proper disposal. Approximately 670 cubic yards of material were transported to the Northern Delaware Basin Landfill in Jal, New Mexico. Copies of the waste manifests are included in Attachment 7.

Collected confirmation samples and submitted to Cardinal Laboratory for analysis of TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chloride by SM4500Cl-B. The analytical results were directly compared to the established Site RRALs to demonstrate compliance.

The results of the July 2025 confirmation sampling events are summarized in Table 6. All final confirmation soil samples (floor and sidewall) reported concentrations as less than applicable cleanup levels for chloride, TPH, and BTEX. Copies of laboratory analysis and chain-of-custody documentation are included in Attachment 5.

Backfill Validation Sampling

Once acceptable confirmation sample results were received, the excavation was backfilled with clean material to pre-release grade. One (1) representative 5-point composite sample was collected from the topsoil and caliche backfill material used for the remediation of the project site. Soil backfill composite sampling results are summarized in Table 7. Copies of laboratory analysis and chain-of-custody documentation are included in Attachment 5.

SUMMARY OF APPROVED VARIANCES

The following summarizes the New Mexico Oil Conservation Division (NMOCD) approved variances related to site remediation activities, including background concentration application, confirmation sampling protocols, and allowances for residual chloride concentrations based on site-specific conditions and groundwater protection criteria:

- Variance #1 to apply the agreed-upon background values for three locations (FS-049, FS-140, and FS-151) and to forgo remediation in these areas was approved on June 17, 2025.
- Variance #2 for an alternative confirmation sampling plan was approved for sampling at 400 square feet per composite from the excavation floor and 200 square feet from sidewall samples on June 17, 2025.
- Variance #3 to leave soils with slightly elevated chloride in place at FS-31 based on groundwater being highly influenced by adjacent salt lakes, was determined unnecessary. The water was proven unprotectable on September 3rd, 2025; therefore, the vertical extent had been reached, and no variance was needed.
- Variance #4 to leave the remaining soil chloride concentrations in place below 4 feet bgs in the areas of FS-1, FS-3, FS-5, FS-6, and FS-10 was approved on August 27, 2025

RECLAMATION AND REVEGETATION

To restore the impacted surface areas to the condition that existed prior to the release, the excavated area in the pasture has been backfilled with clean topsoil. The disturbed areas have been graded back to match the surrounding topography and the pre-existing conditions prior to contouring to provide erosion control, long-term stability, prevent ponding of water, and preserve surface water flow patterns.

Subsequent to restoring topography and contouring the disturbed areas, disturbed pasture areas of the Site were seeded with New Mexico State Land Office (NMSLO) Loamy (L) Sites Seed Mixture to aid in vegetation growth to complete reclamation in accordance with the Site soil profile detailed above in the Site Characterization Section. Seeding was broadcast and harrowed in per the specifications for broadcast application in pounds pure live seed per acre according to the NMSLO Loamy (L) seed mix data sheet provided in Attachment 8.

Site inspections will be performed periodically to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the Bureau of Land Management will be contacted to determine an effective method for eradication. If the Site does not show revegetation after one growing season, the area will be reseeded as appropriate.

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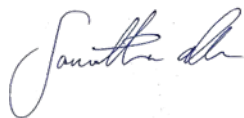
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CONCLUSION

The site remediation was conducted in accordance with the most stringent groundwater protection standards applicable to areas with groundwater depths less than 50 feet, where feasible. Zone-specific background concentrations, as approved by the New Mexico Oil Conservation Division (NMOCD), were utilized as closure criteria for their respective zones, as shown in Figure 5. Residual contaminant concentrations exceeding background levels but remaining protective of groundwater and overall environmental health were authorized to remain in situ at FS-1, FS-3, FS-5, FS-6, FS-10, and FS-31. All remedial activities were executed in full compliance with the requirements of 19.15.29 NMAC and the approved variances summarized above. BTA respectfully requests approval of this report and closure of the incident based on the confirmation sampling results and remedial activities performed. The C-141 forms are enclosed in Attachment 1.

If you have any questions concerning the remediation activities for the Site, please call Samantha Allen at (512) 788-2948.

Sincerely,



Samantha Allen
Project Manager
Tetra Tech, Inc.



Charles H. Terhune IV, P.G.
Program Manager
Tetra Tech, Inc.

cc: Noah Tinker, BTA Oil Producers, LLC
Bureau of Land Management

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LIST OF ATTACHMENTS

Figures

Figure 1 – Overview Map
Figure 2 – Site Location/Topographic Map
Figure 3 – Approximate Release Extent and Site Assessment (Ensolum)
Figure 4 – Remediation Extent and Confirmation Sampling (Ensolum)
Figure 4A – Remediation Extent and Confirmation Sampling (Ensolum)
Figure 5 – Revised Release Extent and Background Assessment
Figure 6 – 2025 Remediation Extent (BTA)
Figure 7 – Additional Remediation and Confirmation Sampling Plan (Tetra Tech)
Figure 7A – Additional Remediation and Confirmation Sampling Plan (Tetra Tech)
Figure 8 – Remaining Impacts Subject to Variance

Tables

Table 1 – Summary of Analytical Results –2023 Ensolum Assessment
Table 2 – Summary of Analytical Results – 2025 Tetra Tech Background Soil Assessment
Table 3 – Summary of Analytical Results – 2025 Average Background Soil Assessment
Table 4 – Summary of Analytical Results – 2025 Average Background Soil Assessment
Table 5 – Summary of Analytical Results – 2025 Average Background Soil Assessment
Table 6 – Summary of Analytical Results – 2025 Soil Remediation
Table 7 – Summary of Analytical Results – Soil Backfill
Table 8 – Summary of Analytical Results – Surface Water Background Concentrations

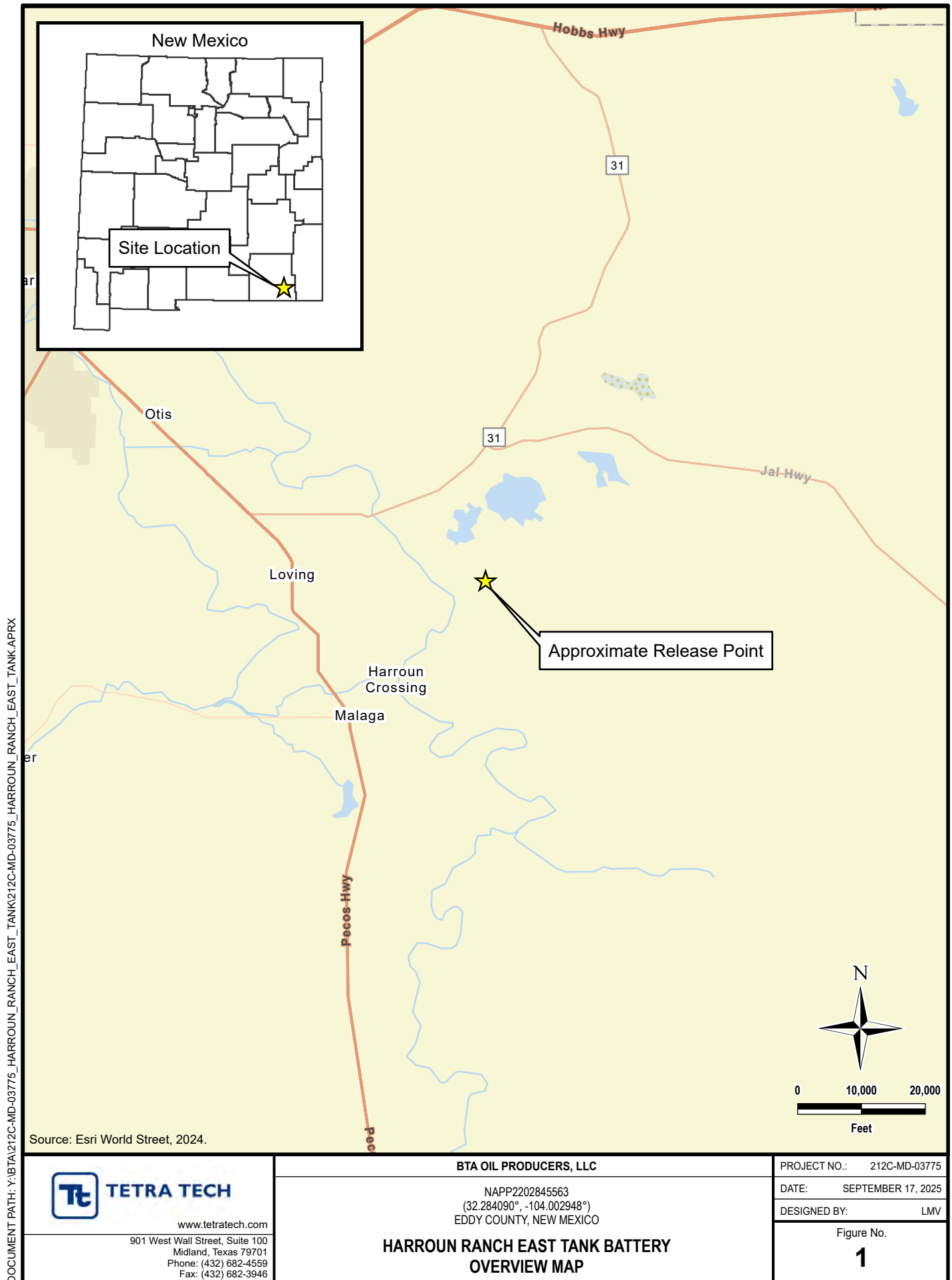
Attachments

Attachment 1 – C-141 Forms
Attachment 2 – Site Characterization
Attachment 3 – BTA Remediation Report
Attachment 4 – Regulatory Correspondence
Attachment 5 – Laboratory Analytical Data
Attachment 6 – Photographic Documentation
Attachment 7 – Waste Manifest
Attachment 8 – Seed Mix

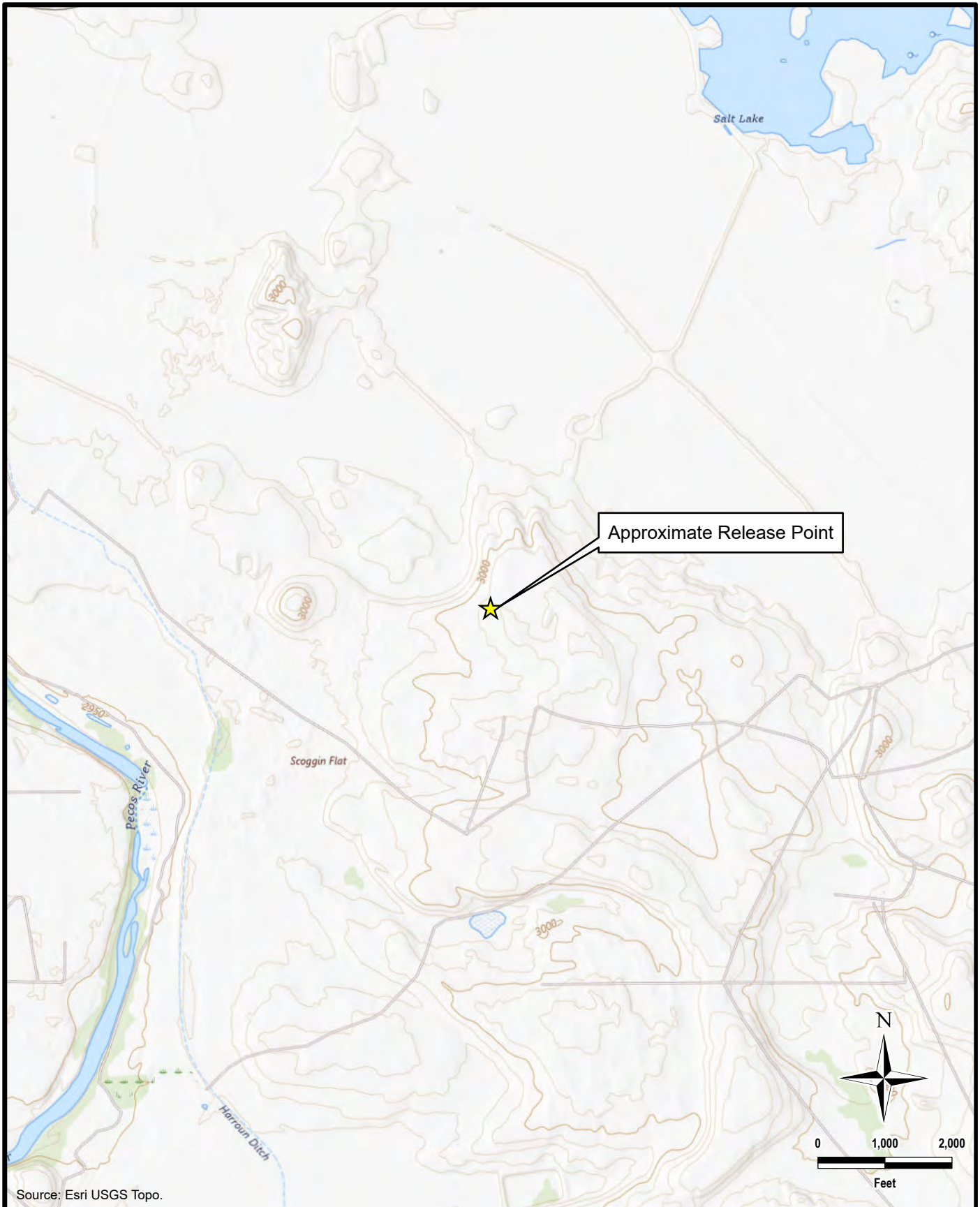
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FIGURES



DOCUMENT PATH: Y:\BTA\212C-MD-03775_HARROUN_RANCH_EAST_TANK\APRX



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BTA OIL PRODUCERS, LLC

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**HARROUN RANCH EAST TANK BATTERY
TOPOGRAPHIC MAP**

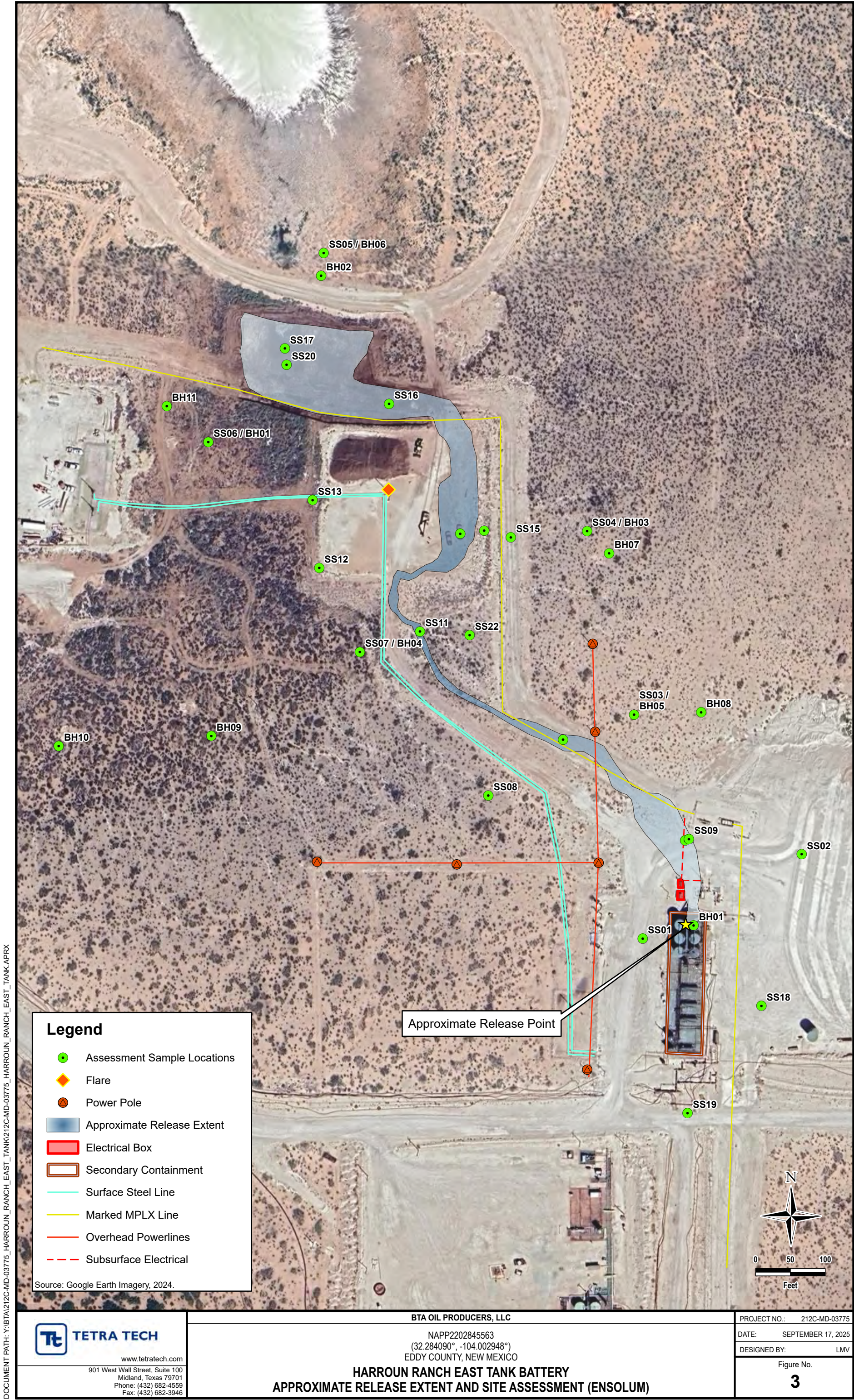
PROJECT NO.: 212C-MD-03775

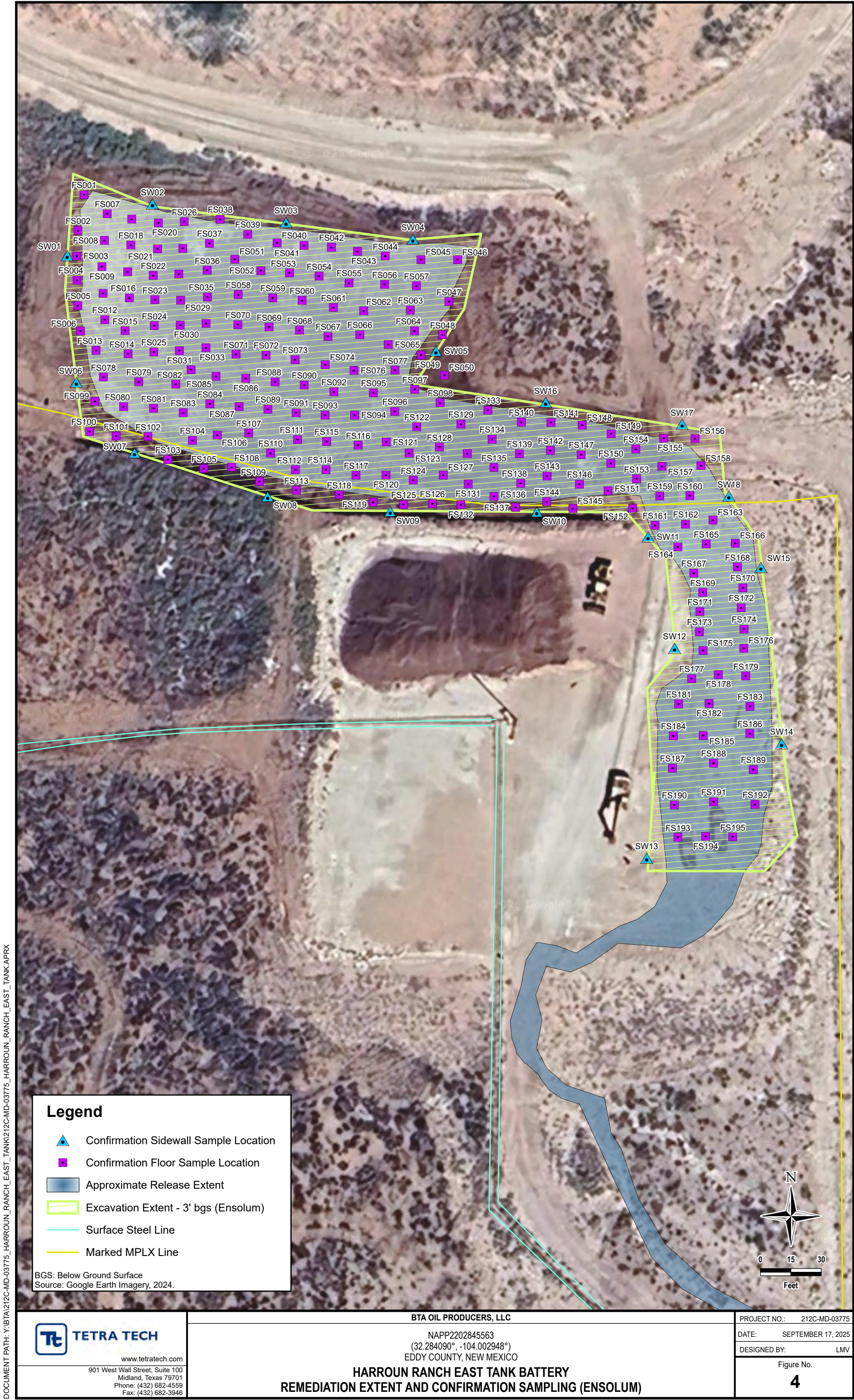
DATE: SEPTEMBER 17, 2025

DESIGNED BY: LMV

Figure No.

2



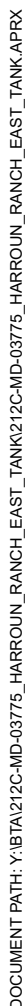


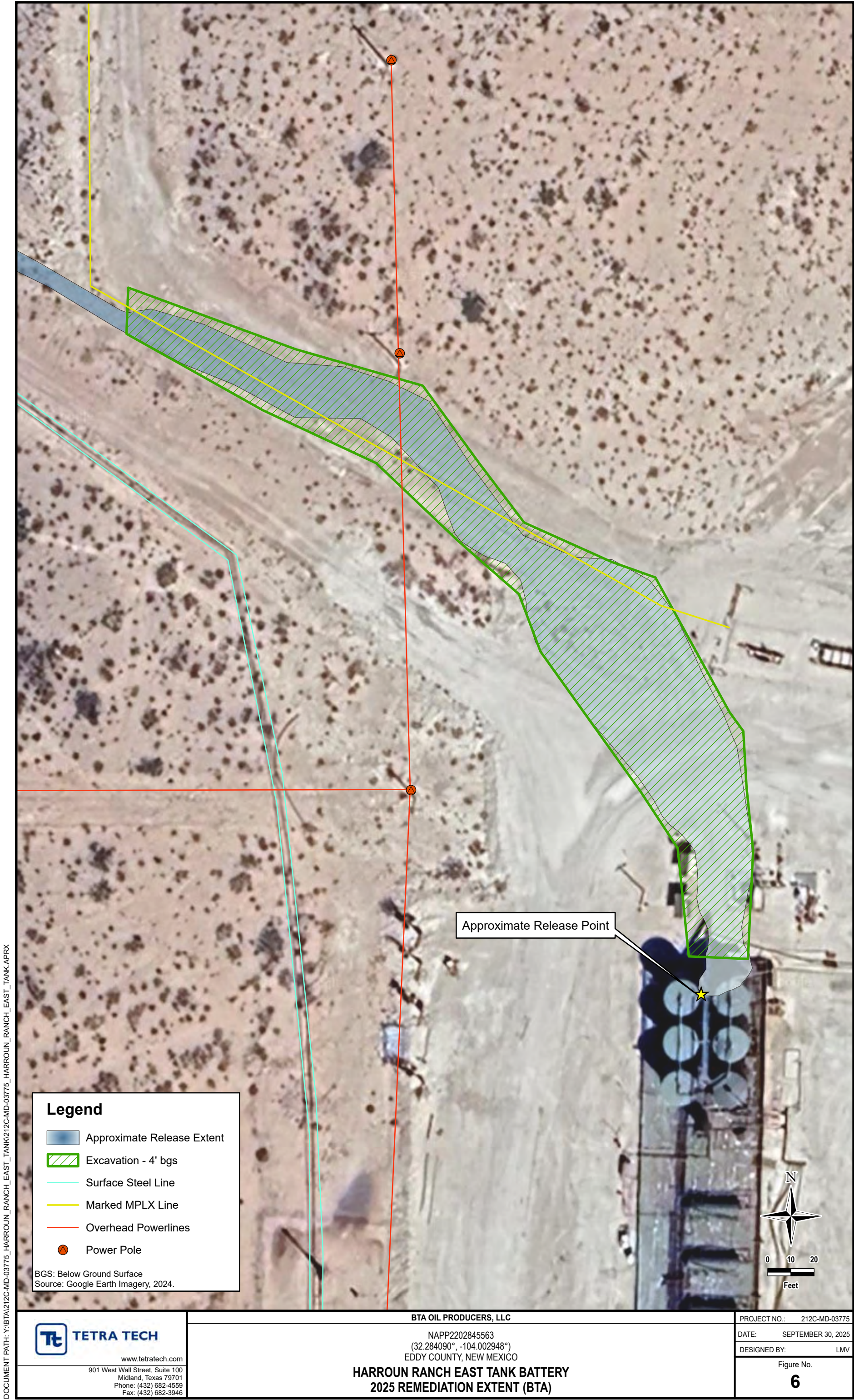
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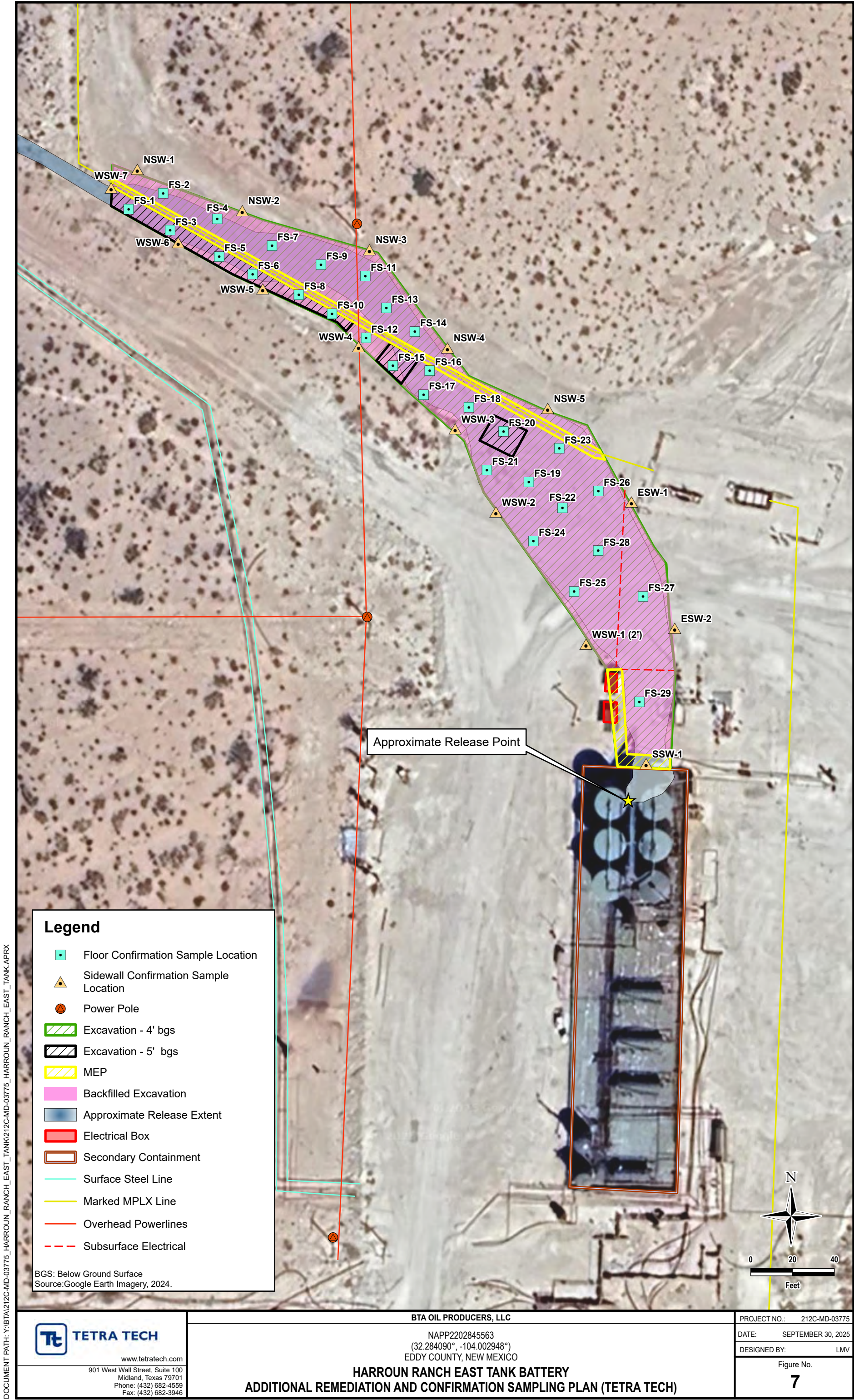
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 TETRA TECH www.tetrattech.com 901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946	BTA OIL PRODUCERS, LLC		PROJECT NO.: 212C-MD-03775
	NAPP2202845563 (32.284090°, -104.002948°) EDDY COUNTY, NEW MEXICO		DATE: SEPTEMBER 17, 2025
	HARROUN RANCH EAST TANK BATTERY REMEDIATION EXTENT AND CONFIRMATION SAMPLING (ENSOLUM)		DESIGNED BY: LMV
			Figure No. 4A







DOCUMENT PATH: Y:\BTA\212C-MD-03775_HARROUN_RANCH_EAST_TANK_BATTERY\HARROUN_RANCH_EAST_TANK.APRX



Legend

Floor Confirmation Sample Location

Sidewall Confirmation Sample Location

Power Pole

Excavation - 4.5' bgs

Approximate Release Extent

Surface Steel Line

BGS: Below Ground Surface
Source:Google Earth Imagery, 2024.

TETRA TECH

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BTA OIL PRODUCERS, LLC

NAPP2202845563
(32.284090°, -104.002948°)
EDDY COUNTY, NEW MEXICO

HARROUN RANCH EAST TANK BATTERY
ADDITIONAL REMEDIATION AND CONFIRMATION SAMPLING PLAN (TETRA TECH)

PROJECT NO.: 212C-MD-03775

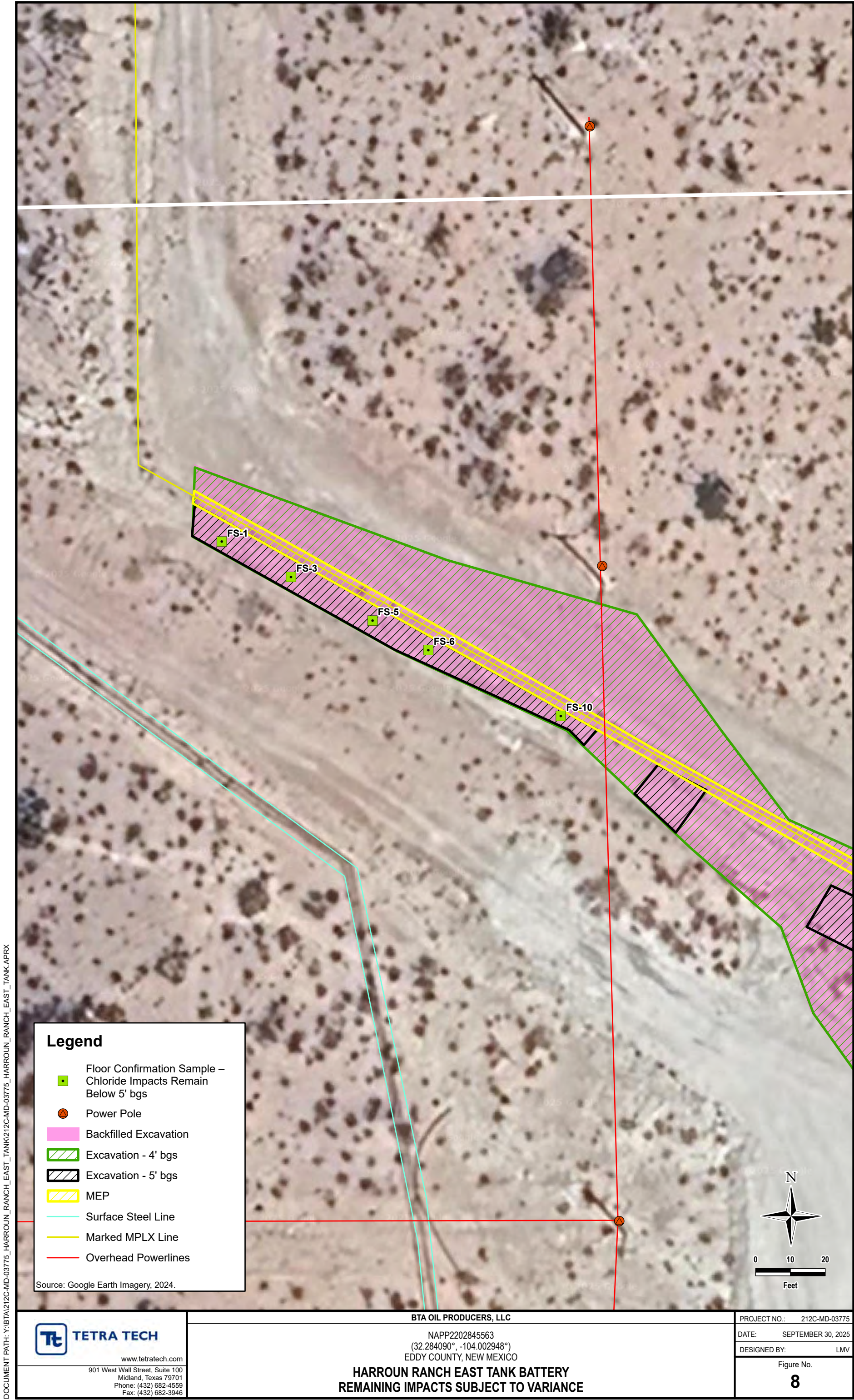
DATE: SEPTEMBER 30, 2025

DESIGNED BY: LMV

Figure No.

7A

Released to Imaging: 12/8/2025 2:54:42 PM



nAPP2202845563 Closure Report
Harroun Ranch East Tank Battery Release

BTA Oil Producers, LLC
October 6, 2025

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT- nAPP2202845563
BTA OIL PRODUCERS
HARROUN EAST TANK BATTERY
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride		BTEx ²										TPH ³								
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx		Gro		Dro		Ext Dro		Total TPH (Gro+Dro+Ext Dro)		
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C ₆ - C ₁₀	Q	mg/kg	Q	> C ₁₀ - C ₂₈	Q		> C ₂₈ - C ₃₆	Q
SS 01	5/8/2023	0.5'	416		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 02	5/8/2023	0.5'	176		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 03	5/8/2023	0.5'	64		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 05	5/22/2023	1'	208		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 05A	5/22/2023	3'	80		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 04	5/8/2023	0.5'	48		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH03	5/19/2023	1'	368		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 05	5/8/2023	0.5'	32,000		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 06	9/28/2023	2'	20,400		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 06A	9/28/2023	3'	20,800		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 06	5/8/2023	0.5'	6,560		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 01	5/19/2023	1'	8,560		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 01A	5/19/2023	4'	8,240		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 07	5/8/2023	0.5'	1,180		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 04	5/19/2023	1'	272		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 04A	5/19/2023	2'	1,740		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 08	5/8/2023	0.5'	64		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 08A	5/22/2023	1	32		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 09	5/8/2023	0.5'	496		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		19.6		<10.0				19.6
SS 10	5/8/2023	0.5'	13,100		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 11	5/8/2023	0.5'	3,760		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 12	5/8/2023	0.5'	5,360	S-06	<0.050		<0.050		<0.050		0.399		0.399		65.3		15800		2690				18,555.30
SS 13	5/8/2023	0.5'	240		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 14	5/8/2023	0.5'	49,600		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 15	5/8/2023	0.5'	496		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 16	5/8/2023	0.5'	51,200		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 17	5/8/2023	0.5'	44,800		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 18	5/8/2023	0.5'	32		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SS 19	5/8/2023	0.5'	32		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		<10.0		-

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT- nAPP2202845563
BTA OIL PRODUCERS
HARROUN EAST TANK BATTERY
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q		
SS 20	9/27/2023	1	7,330		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
SS 20A	9/27/2023	6	7,730		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
SS 21	9/27/2023	1	3,680		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
SS 21A	9/27/2023	10	3,920		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
SS 22	9/27/2023	1	80		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
SS 22A	9/27/2023	2	32		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
SS 23	9/27/2023	1	2,800		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
SS 23A	9/27/2023	4	832		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
BH 01	5/11/2023	0.5'	32.0		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
BH 02	5/19/2023	2'	13,200		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
BH 02A	5/19/2023	4'	8,240	QM-07	<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
BH 07	9/27/2023	2'	208		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
BH 07A	9/27/2023	3'	80		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
BH 08	9/27/2023	1'	240		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	
BH 8A	9/27/2023	2'	192		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-	

NOTES:

- ft. Feet
- bgs Below ground surface
- mg/kg Milligrams per kilogram
- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics
- DRO Diesel range organics
- 1 Method SM4500Cl-B
- 2 Method 8021B
- 3 Method 8015M
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
2025 BACKGROUND SOIL ASSESSMENT-
BTA OIL PRODUCERS, LLC
HARROUN EAST
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
															C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆			
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
BG-1	2/11/2025	0-1	8,660		NA		NA		NA		NA		NA		NA		NA		NA		-	
		1-2	21,600		NA		NA		NA		NA		NA		NA		NA		NA		-	
		2-3	14,400		NA		NA		NA		NA		NA		NA		NA		NA		-	
		3-4	8,000		NA		NA		NA		NA		NA		NA		NA		NA		-	
		4-5	7,600		NA		NA		NA		NA		NA		NA		NA		NA		-	
		5-6	41,600		NA		NA		NA		NA		NA		NA		NA		NA		-	
BG-2	2/11/2025	0-1	3920		NA		NA		NA		NA		NA		NA		NA		NA		-	
		1-2	4,560		NA		NA		NA		NA		NA		NA		NA		NA		-	
		2-3	4,800	QM-07	NA		NA		NA		NA		NA		NA		NA		NA		-	
		3-4	4,560		NA		NA		NA		NA		NA		NA		NA		NA		-	
		4-5	10,400		NA		NA		NA		NA		NA		NA		NA		NA		-	
		5-6	18,200		NA		NA		NA		NA		NA		NA		NA		NA		-	
BG-3	2/11/2025	0-1	31200		NA		NA		NA		NA		NA		NA		NA		NA		-	
		1-2	59,200		NA		NA		NA		NA		NA		NA		NA		NA		-	
		2-3	6,930		NA		NA		NA		NA		NA		NA		NA		NA		-	
		3-4	5,440		NA		NA		NA		NA		NA		NA		NA		NA		-	
		4-5	5,200		NA		NA		NA		NA		NA		NA		NA		NA		-	
		5-6	5,440		NA		NA		NA		NA		NA		NA		NA		NA		-	
BG-4	4/14/2025	0-1	1,760		NA		NA		NA		NA		NA		NA		NA		NA		-	
		1-2	2,640		NA		NA		NA		NA		NA		NA		NA		NA		-	
		2-3	2,560		NA		NA		NA		NA		NA		NA		NA		NA		-	
		3-4	2,480		NA		NA		NA		NA		NA		NA		NA		NA		-	
BG-5	4/14/2025	0-1	848		NA		NA		NA		NA		NA		NA		NA		NA		-	
		1-2	3,000		NA		NA		NA		NA		NA		NA		NA		NA		-	
		2-3	2,600		NA		NA		NA		NA		NA		NA		NA		NA		-	
		3-4	3,840		NA		NA		NA		NA		NA		NA		NA		NA		-	
BG-6	4/14/2025	0-1	80.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		1-2	96.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		2-3	80.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		3-4	176		NA		NA		NA		NA		NA		NA		NA		NA		-	

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
2025 BACKGROUND SOIL ASSESSMENT-
BTA OIL PRODUCERS, LLC
HARROUN EAST
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
															C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆			
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
BG-7	4/14/2025	0-1	160		NA		NA		NA		NA		NA		NA		NA		NA		-	
		1-2	96.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		2-3	<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		3-4	32.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
BG-8	4/14/2025	0-1	800		NA		NA		NA		NA		NA		NA		NA		NA		-	
		1-2	448		NA		NA		NA		NA		NA		NA		NA		NA		-	
		2-3	464		NA		NA		NA		NA		NA		NA		NA		NA		-	
		3-4	192		NA		NA		NA		NA		NA		NA		NA		NA		-	
BG-9	4/14/2025	0-1	16.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		1-2	<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		2-3	32.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		3-4	<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
BG-10	4/14/2025	0-1	<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		1-2	<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		2-3	32.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		3-4	<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
BG-11	4/14/2025	0-1	<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		1-2	48.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		2-3	16.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
		3-4	48.0		NA		NA		NA		NA		NA		NA		NA		NA		-	

NOTES:

- ft. Feet
- bgs Below ground surface
- mg/kg Milligrams per kilogram
- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics
- DRO Diesel range organics
- 1 Method SM4500Cl-B
- 2 Method 8021B
- 3 Method 8015M
- NA Sample not analyzed for parameter

Bold and italicized values indicate exceedance of proposed RRALs and Reclamation Requirements.

QUALIFIERS:

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

TABLE 3
AVERAGE BACKGROUND CALCULATION
CHLORIDE
HARROUN EAST
EDDY COUNTY, NM

19.15.29.12 NMAC Closure Criteria for Soils Impacted by a Release (≤ 50 ft):			Chlorides ¹	
			< 600 mg/kg	
Sample ID	Sample Date	Sample Depth Interval	Chloride	
		ft. bgs	mg/kg	Q
BG-1	2/11/2025	0-1	8,660	
		1-2	21,600	
		2-3	14,400	
		3-4	8,000	
		4-5	7,600	
		5-6	41,600	
BG-2	2/11/2025	0-1	3,920	
		1-2	4,560	
		2-3	4,800	QM-07
		3-4	4,560	
		4-5	10,400	
		5-6	18,200	
BG-3	2/11/2025	0-1	31,200	
		1-2	59,200	
		2-3	6,930	
		3-4	5,440	
		4-5	5,200	
		5-6	5,440	

INTERVAL	SUM	AVERAGE
0-1	43,780	14,593
1-2	85,360	28,453
2-3	26,130	8,710
3-4	18,000	6,000

Total SUM	Total Average
57,757	14,439

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

1 Method SM4500Cl-B

Analytical Results utilized for the background calculation

QUALIFIERS:

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

TABLE 4
AVERAGE BACKGROUND CALCULATION
CHLORIDE
HARROUN EAST
EDDY COUNTY, NM

19.15.29.12 NMAC Closure Criteria for Soils Impacted by a Release (≤ 50 ft):			Chlorides ¹	
			< 600 mg/kg	
Sample ID	Sample Date	Sample Depth Interval	Chloride	
		ft. bgs	mg/kg	Q
BG-4	2/11/2025	0-1	1,760	
		1-2	2,640	
		2-3	2,560	
		3-4	2,480	
BG-5	2/11/2025	0-1	848	
		1-2	3,000	
		2-3	2,600	
		3-4	3,840	
BG-6	2/11/2025	0-1	80	
		1-2	96	
		2-3	80	
		3-4	176	
BG-7	2/11/2025	0-1	160	
		1-2	96	
		2-3	0	
		3-4	32	

INTERVAL	SUM	AVERAGE
0-1	2,848	712
1-2	5,832	1,458
2-3	5,240	1,747
3-4	6,528	1,632

Total SUM	Total Average
5,549	1,387

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

1 Method SM4500Cl-B

Analytical Results utilized for the background calculation

QUALIFIERS:

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

TABLE 5
AVERAGE BACKGROUND CALCULATION
CHLORIDE
HARROUN EAST
EDDY COUNTY, NM

19.15.29.12 NMAC Closure Criteria for Soils Impacted by a Release (≤ 50 ft):			Chlorides ¹	
			< 600 mg/kg	
Sample ID	Sample Date	Sample Depth Interval	Chloride	
		ft. bgs	mg/kg	Q
BG-8	4/14/2025	0-1	800	
		1-2	448	
		2-3	464	
		3-4	192	
BG-9	4/14/2025	0-1	16	
		1-2	0	
		2-3	32	
		3-4	0	
BG-10	4/14/2025	0-1	0	
		1-2	0	
		2-3	32	
		3-4	0	
BG-11	4/14/2025	0-1	0	
		1-2	48	
		2-3	16	
		3-4	48	

INTERVAL	SUM	AVERAGE
0-1	816	204
1-2	496	124
2-3	544	181
3-4	240	60

Total SUM	Total Average
569	142

NOTES:

ft. Feet
bgs Below ground surface
mg/kg Milligrams per kilogram
1 Method SM4500Cl-B

Analytical Results utilized for the background calculation

QUALIFIERS:

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

TABLE 6
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - nAPP2202845563
BTA OIL PRODUCERS
HARROUN EAST TANK BATTERY
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
															C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆			
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q		
FS-1*	7/16/2025	4'	752		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-1 (5')	7/16/2025	5'	784		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-1 (6')	7/21/2025	6'	960		-		-		-		-		-		-		-		-		-	
FS-2	7/16/2025	4'	64		-		-		-		-		-		-		-		-		-	
FS-3*	7/16/2025	4'	1150		-		-		-		-		-		-		-		-		-	
FS-3 (5')	7/16/2025	5'	688		-		-		-		-		-		-		-		-		-	
FS-3 (6')	7/21/2025	6'	800		-		-		-		-		-		-		-		-		-	
FS-4	7/16/2025	4'	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-5*	7/16/2025	4'	1120		-		-		-		-		-		-		-		-		-	
FS-5 (5')	7/16/2025	5'	1620		-		-		-		-		-		-		-		-		-	
FS-5 (6')	7/21/2025	6'	2480		-		-		-		-		-		-		-		-		-	
FS-5 (7')	7/21/2025	7'	1500		-		-		-		-		-		-		-		-		-	
FS-5 (8')	7/28/2025	8'	1570		-		-		-		-		-		-		-		-		-	
FS-5 (9')	7/28/2025	9'	1730		-		-		-		-		-		-		-		-		-	
FS-5 (10')	7/28/2025	10'	1780		-		-		-		-		-		-		-		-		-	
FS-6*	7/16/2025	4'	1140		-		-		-		-		-		-		-		-		-	
FS-6 (5')	7/16/2025	5'	640		-		-		-		-		-		-		-		-		-	
FS-6 (6')	7/21/2025	6'	1760		-		-		-		-		-		-		-		-		-	
FS-6 (7')	7/21/2025	7'	1140		-		-		-		-		-		-		-		-		-	
FS-6 (8')	7/28/2025	8'	880		-		-		-		-		-		-		-		-		-	
FS-6 (9')	7/28/2025	9'	1120		-		-		-		-		-		-		-		-		-	
FS-6 (10')	7/28/2025	10'	848		-		-		-		-		-		-		-		-		-	
FS-7	7/16/2025	4'	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-8*	7/16/2025	4'	1710	QM-07	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-8 (5')	7/16/2025	5'	576		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-9	7/16/2025	4'	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-10*	7/16/2025	4'	880		-		-		-		-		-		-		-		-		-	
FS-10 (5')	7/16/2025	5'	880		-		-		-		-		-		-		-		-		-	
FS-10 (6')	7/21/2025	6'	1520		-		-		-		-		-		-		-		-		-	
FS-11	7/16/2025	4'	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-12	7/16/2025	4'	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-13	7/16/2025	4'	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-14	7/16/2025	4'	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

TABLE 6
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - nAPP2202845563
BTA OIL PRODUCERS
HARROUN EAST TANK BATTERY
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride		BTEx ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx		Gro		Dro		Ext Dro		Total TPH (Gro+Dro+Ext Dro)	
		C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q			
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
FS-15*	7/16/2025	4'	688		-		-		-		-		-		-		-		-		-	
FS-15 (5')	7/16/2025	5'	560		-		-		-		-		-		-		-		-		-	
FS-16	7/16/2025	4'	432		-		-		-		-		-		-		-		-		-	
FS-17	7/16/2025	4'	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-18	7/16/2025	4'	576		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-19	7/16/2025	4'	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-20*	7/16/2025	4'	816		-		-		-		-		-		-		-		-		-	
FS-20 (5')	7/16/2025	5'	544		-		-		-		-		-		-		-		-		-	
FS-21	7/16/2025	4'	480		-		-		-		-		-		-		-		-		-	
FS-22	7/16/2025	4'	496		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-23	7/16/2025	4'	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-24	7/16/2025	4'	464		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-25	7/16/2025	4'	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-26	7/16/2025	4'	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-27	7/16/2025	4'	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-28	7/16/2025	4'	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-29	7/16/2025	4'	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-30	7/17/2025	1'	224		-		-		-		-		-		-		-		-		-	
FS-31*	7/17/2025	4'	2290		-		-		-		-		-		-		-		-		-	
FS-31 (5')	7/21/2025	5'	6240		-		-		-		-		-		-		-		-		-	
FS-32	7/22/2025	1'	32		-		-		-		-		-		-		-		-		-	
FS-33	7/23/2025	1'	16		-		-		-		-		-		-		-		-		-	
FS-34	7/24/2025	1'	32		-		-		-		-		-		-		-		-		-	
FS-35	7/25/2025	1'	64		-		-		-		-		-		-		-		-		-	
WSW-1*	7/17/2025	-	864		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
WSW-1 (2')	7/21/2025	-	<16.0		-		-		-		-		-		-		-		-		-	
WSW-2	7/17/2025	-	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
WSW-3	7/17/2025	-	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
WSW-4	7/17/2025	-	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
WSW-5	7/17/2025	-	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
WSW-6	7/17/2025	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
WSW-7	7/17/2025	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
WSW-8	7/17/2025	-	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

TABLE 6
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - nAPP2202845563
BTA OIL PRODUCERS
HARROUN EAST TANK BATTERY
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride		BTEx ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx		Gro		Dro		Ext Dro		Total TPH (Gro+Dro+Ext Dro)	
		C ₆ - C ₁₀		> C ₁₀ - C ₂₈											> C ₂₈ - C ₃₆							
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
NSW-1	7/17/2025	-	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
NSW-2	7/17/2025	-	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
NSW-3	7/17/2025	-	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
NSW-4	7/17/2025	-	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
NSW-5	7/17/2025	-	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
NSW-6	7/17/2025	-	1120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
ESW-1	7/17/2025	-	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
ESW-2	7/17/2025	-	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
ESW-3*	7/17/2025	-	3280		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
ESW-3 (2')	7/21/2025	-	992		-		-		-		-		-		-		-		-		-	
SSW-1	7/17/2025	-	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SSW-2	7/17/2025	-	464		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500CI-B

2 Method 8021B

3 Method 8015M

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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

Bold and italicized values indicate exceedance of proposed RRALs and Reclamation Requirements.

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

QUALIFIERS:

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

TABLE 7
SUMMARY OF ANALYTICAL RESULTS
SOIL BACKFILL - nAPP2202845563
BTA OIL PRODUCERS
HARROUN EAST TANK BATTERY
EDDY COUNTY, NM

Sample ID	Sample Date	Chloride ¹		BTEX ²										TPH ³							
				Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		C ₆ - C ₁₀												> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆					
		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
Backfill Compsite Topsoil	7/22/2025	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
Backfill Composite Caliche	7/24/2025	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

- NOTES:
- bgs Below ground surface
 - mg/kg Milligrams per kilogram
 - TPH Total Petroleum Hydrocarbons
 - GRO Gasoline range organics
 - DRO Diesel range organics
 - 1 Method SM4500Cl-B
 - 2 Method 8021B
 - 3 Method 8015M

TABLE 8
SUMMARY OF ANALYTICAL RESULTS
SURFACE WATER BACKGROUND CONCENTRATIONS
BTA OIL PRODUCERS
HARROUN EAST TANK BATTERY
EDDY COUNTY, NM

Sample ID	Sample Date	Chloride ¹		TDS ²	
		mg/L	Q	mg/L	Q
SW-1	9/3/2025	180,000		326,000	

NOTES:

- ft. Feet
bgs Below ground surface
mg/L Milligrams per litre
1 Method SM4500Cl-B
2 Method 160.1

nAPP2202845563 Closure Report
Harroun Ranch East Tank Battery Release

BTA Oil Producers, LLC
October 6, 2025

ATTACHMENT 1 – C-141 FORMS

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 76525

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 76525
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all of the questions in this group.</i>	
Site Name	Harroun East Tank Battery
Date Release Discovered	01/27/2022
Surface Owner	Federal

Incident Details	
<i>Please answer all of the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Dump Line Produced Water Released: 275 BBL Recovered: 200 BBL Lost: 75 BBL]
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Failure of water line used to fill water tank. Water Line failed at coupling and allowed water to spray inside and outside of lined containment. Water was recovered from the containment and some areas of accumulation on the battery pad next to a containment failure and outside of the battery pad along a pipeline right-of-way and a flare pad.

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, Page 2

Action 76525

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 76525
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"> Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	Bob Hall
If YES, was immediate notice given to the OCD, to whom	NMOCD via filing this NOR via Permitting Portal
If YES, was immediate notice given to the OCD, when	01/28/2022
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Filing NOR via the Permitting Portal
<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 19.15.29.8 B. (4) 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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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Oil Conservation Division
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Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 76525

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 76525
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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Santa Fe, NM 87505

CONDITIONS

Action 76525

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 76525
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
bob hall	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/28/2022

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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	nAPP2202845563
District RP	
Facility ID	fAPP2129830694
Application ID	

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # (assigned by OCD) nAPP2202845563
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.28367 Longitude: -104.00303

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Harroun East Tank Battery	Site Type: Tank Battery
Date Release Discovered: 1/27/2022	API# (if applicable) Nearest well: Harroun Ranch Fed Com #004H API #30-015-43414

Unit Letter	Section	Township	Range	County
O	20	23S	29E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name:)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 275 BBL	Volume Recovered (bbls) 200 BBL
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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

Failure of water line used to fill water tank.

Water Line failed at coupling and allowed water to spray inside and outside of lined containment. Water was recovered from the containment and some areas of accumulation on the battery pad next to a containment failure and outside of the battery pad along a pipeline right-of-way and a flare pad.

(Spill calculation spreadsheet attached.)

Form C-141

State of New Mexico

Page 2


Oil Conservation Division

Incident ID	nAPP2202845563
District RP	
Facility ID	fAPP2129830694
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Release exceeded volume of 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Via filing NOR document on NMOCD Permitting Portal that was assigned Incident ID # nAPP2202845563 on 1/28/2022.	

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: Bob Hall Title: Environmental Manager	
Signature: 	Date: 1/28/2022
email: bhall@btaoil.com Telephone: 432-682-3753	
<u>OCD Only</u>	
Received by: Ramona Marcus	Date: 2/8/2022

NAPP2202845563

Location Harroun Ranch East TB**API #****Spill Date** 1/27/2022**Spill Dimensions****ENTER** - Length of Spill feet**ENTER** - Width of Spill feet**ENTER** - Saturation Depth of Spill inches**ENTER** - Porosity Factor decimal**Oil Cut - Well Test / Vessel Throughput or Contents**

Oil

Water

Calculated Oil Cut

Volume Recovered in Truck / Containment**ENTER** - Recovered Oil BBL**ENTER** - Recovered Water BBL**Calculated Values**

Release of Oil in Soil - Unrecovered

calculated
 BBL

Release of Water in Soil - Unrecovered

 BBL

Unrecovered Total Release

 BBL**Calculated Values**

Total Release of Oil

calculated
 BBL

Total Release of Water

 BBL

Total Release

 BBL

Types of Soil	Porosity Factor
Gravel	0.25
Sand	0.20
Clay/silt/sand Mix	0.15
Clay	0.05
Caliche	0.03
Unknown	0.25

(Length X Width X Depth X 1 ft/12 in) X Porosity5.615 ft³ / BBL

X

Oil Cut
(or Water Cut)

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

CONDITIONS

Action 76550

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 76550
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

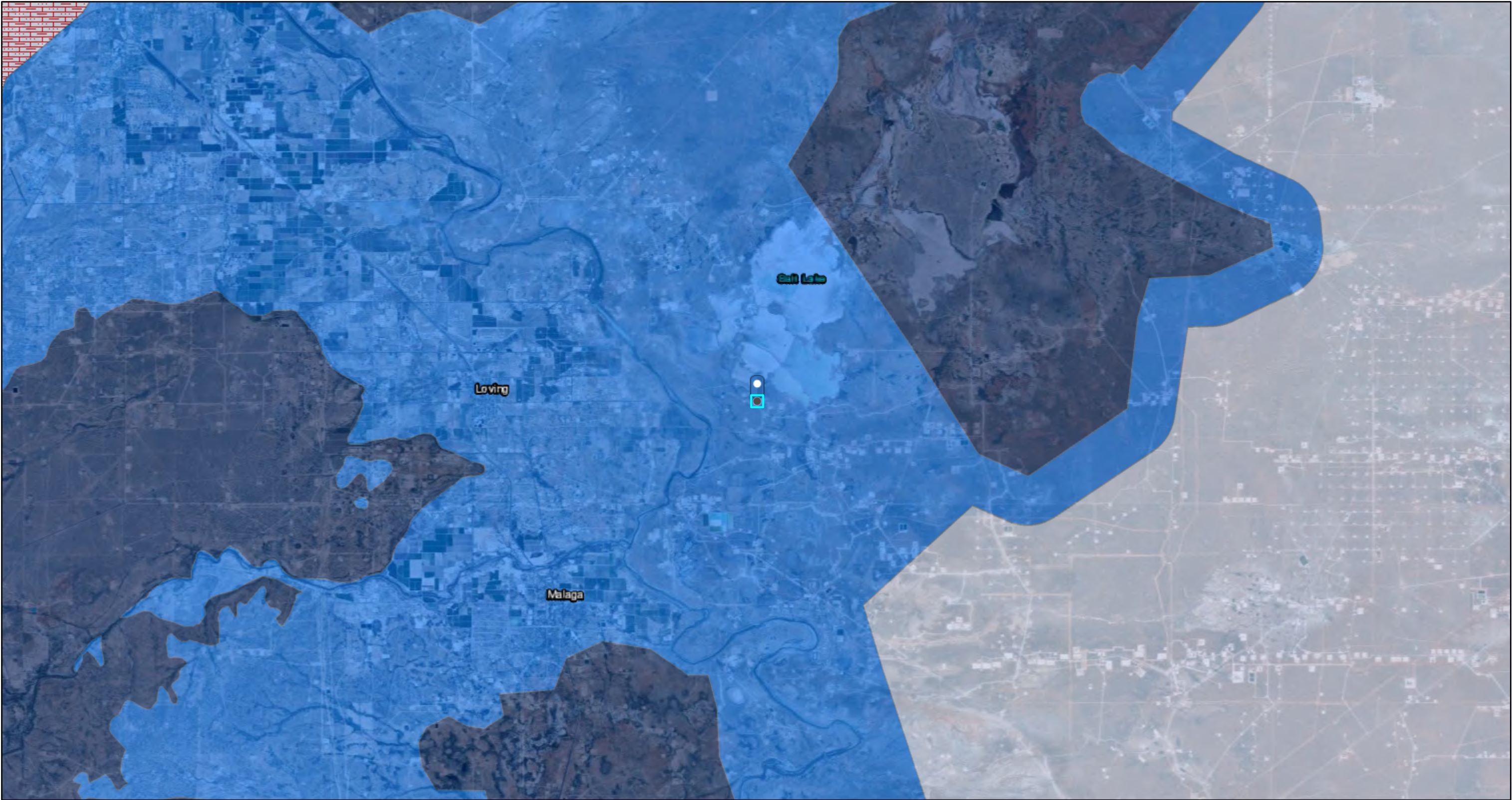
Created By	Condition	Condition Date
rmarcus	None	2/8/2022

nAPP2202845563 Closure Report
Harroun Ranch East Tank Battery Release

BTA Oil Producers, LLC
October 6, 2025

ATTACHMENT 2 – SITE CHARACTERIZATION

Permian Basin Karst Areas



3/14/2025, 1:46:32 PM

1:144,448

Karst Occurrence Potential

- High
- Medium
- Low
- Critical Karst Resource Area

0 1.5 3 6 mi
0 2.5 5 10 km

BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, Earthstar Geographics



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No report data available.

UTM Filters (in meters):

Easting: 593887.39

Northing: 3572362.02

Radius: 800

* 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.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

												(meters)		(In feet)		
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 02613		CUB	ED	SE	SE	NE	20	23S	29E	594203.0	3573176.0 *		873	400		
C 02721		CUB	ED		NE	SW	21	23S	29E	594915.0	3572879.0 *		1150	150		
C 03057 EXPLORE		CUB	ED	SE	NW	NW	21	23S	29E	594605.0	3573586.0 *		1418	150		
C 02720		CUB	ED		NE	NW	21	23S	29E	594911.0	3573690.0 *		1676	150		
C 03587 POD1		CUB	ED	NW	SE	SW	29	23S	29E	593337.5	3570754.8		1698	99	44	55

Average Depth to Water: **44 feet**

Minimum Depth: **44 feet**

Maximum Depth: **44 feet**

Record Count: 5

UTM Filters (in meters):

Easting: 593887.39

Northing: 3572362.02

Radius: 1700

* UTM location was derived from PLSS - see Help

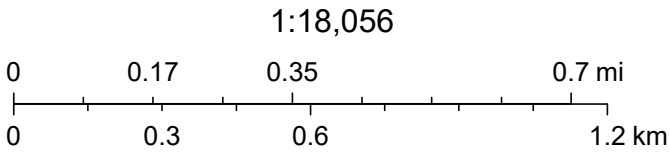
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Hydrology Map



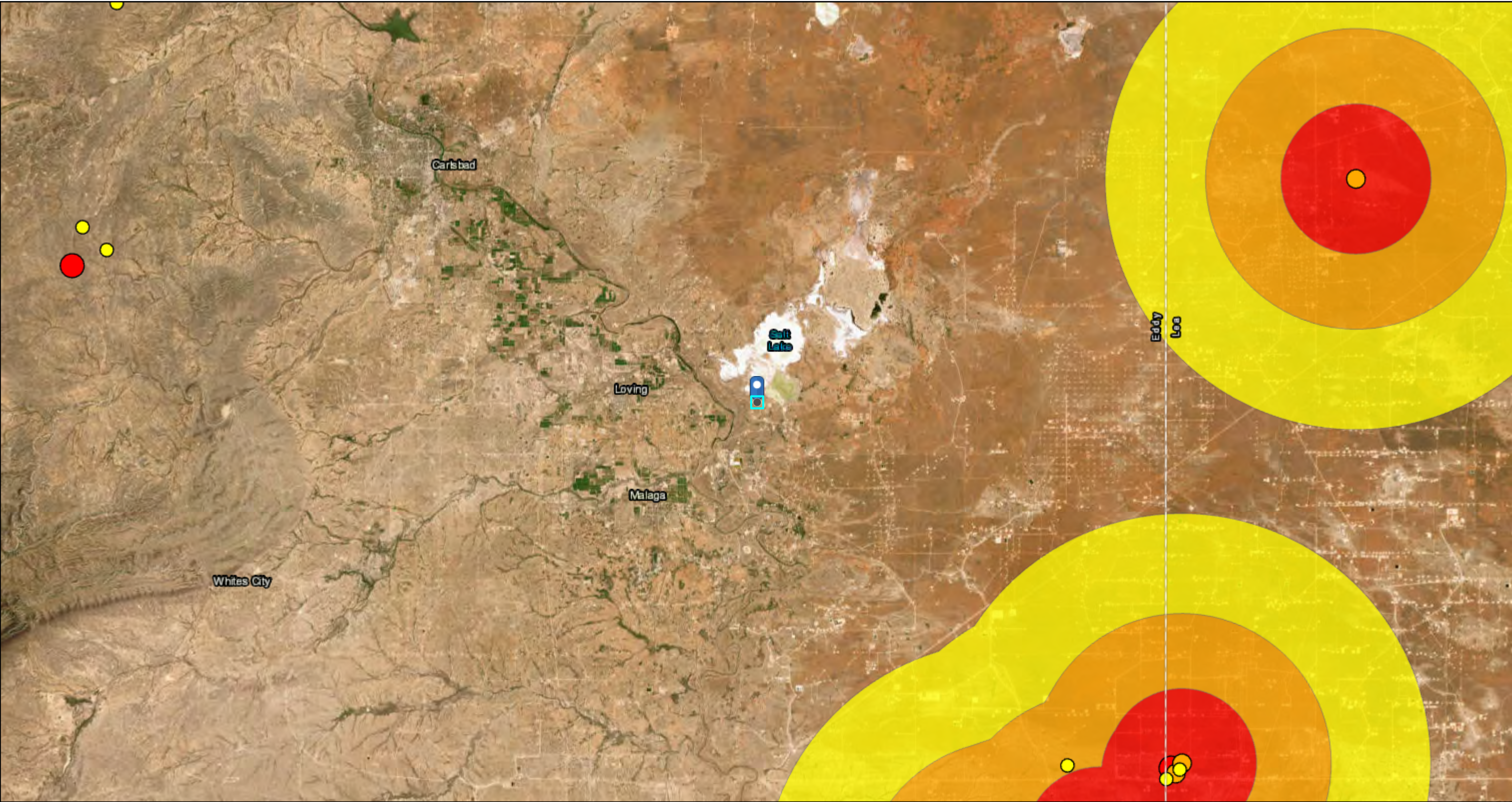
3/14/2025, 1:49:33 PM

- OSW Water Bodys
- OSE Streams



Esri, HERE, Garmin, IPC, Maxar, NM OSE

Induced Seismicity Areas



3/14/2025, 1:47:03 PM

1:288,895

Seismic Response 3.0 to 3.4

3 mi.

6 mi.

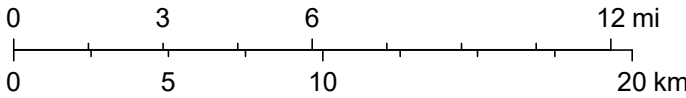
10 mi.

M2.5+ Earthquakes (2021+)

2.5 - 2.9

3.0 - 3.4

3.5 and above



Oil Conservation Division (OCD), Energy, Minerals and Natural Resources Department (EMNRD), Esri, HERE, Garmin, Earthstar Geographics

Surface Ownership Map

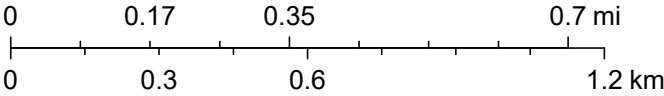


3/14/2025, 1:48:11 PM

Land Ownership

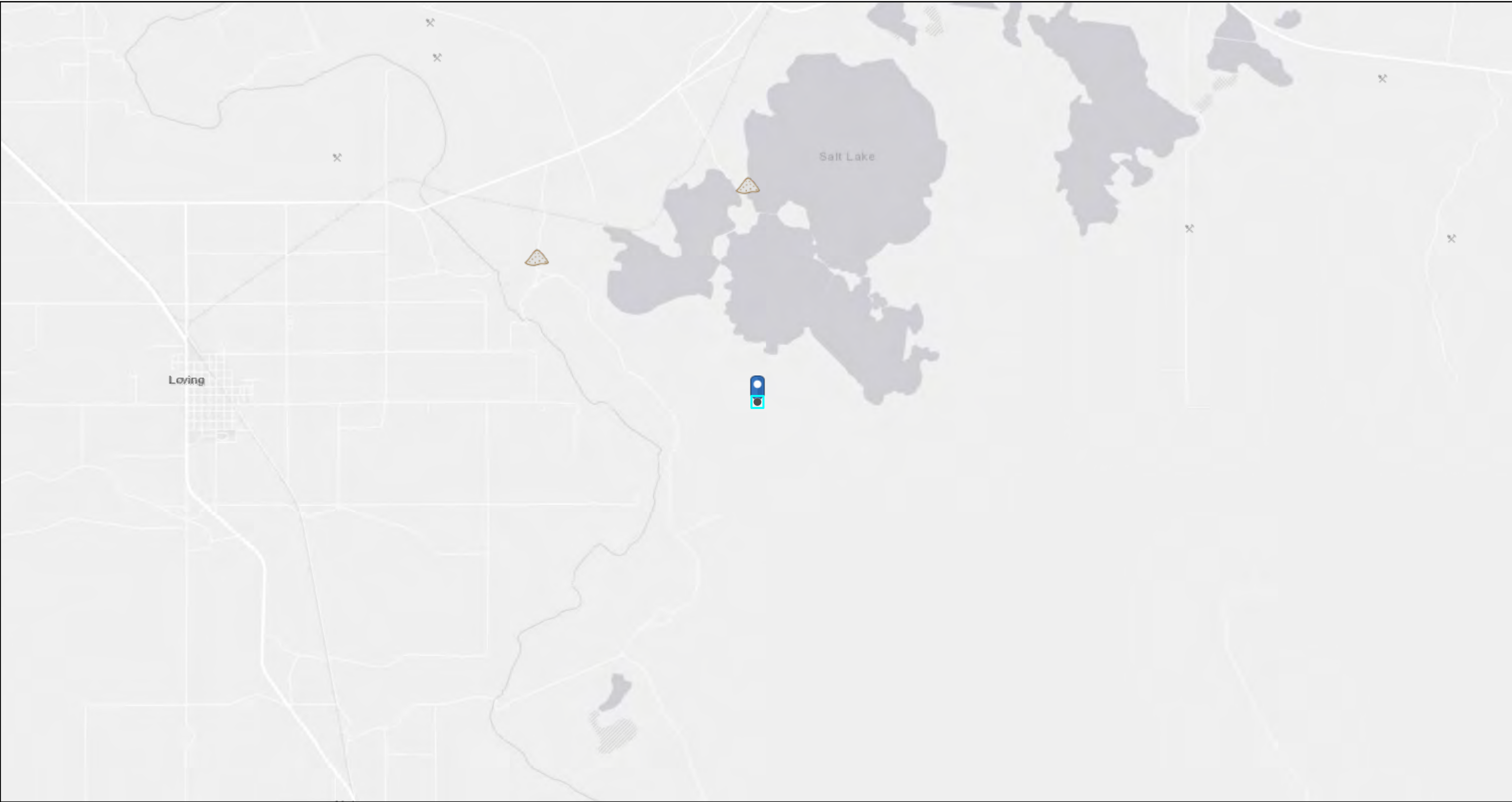
- BLM
- P

1:18,056







U.S. BLM, Esri, HERE, Garmin, iPC, Maxar

Active Mines in New Mexico

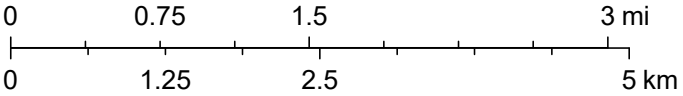


3/14/2025, 1:52:41 PM

Registered Mines

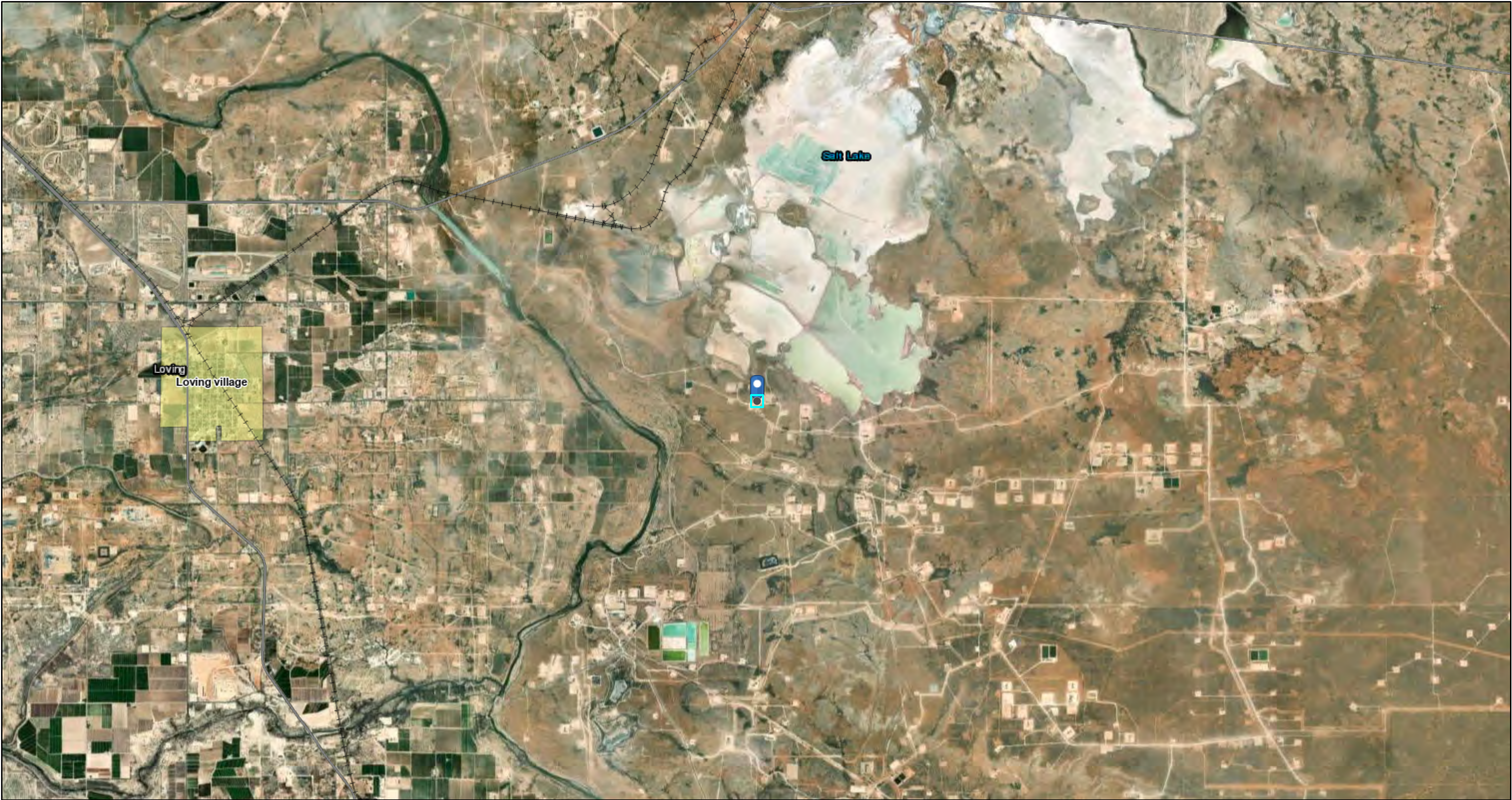
-  Aggregate, Stone etc.
-  Aggregate, Stone etc.
-  Aggregate, Stone etc.
-  Salt

1:72,224






Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, GeoTechnologies, Inc., USGS, EPA, Esri, HERE

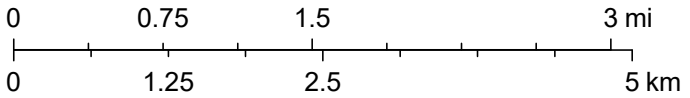
Political Boundaries and Transportation Map



3/14/2025, 1:49:03 PM

-  New Mexico Towns
-  NMDOT GPS ROADS
-  NMDOT Railroads

1:72,224

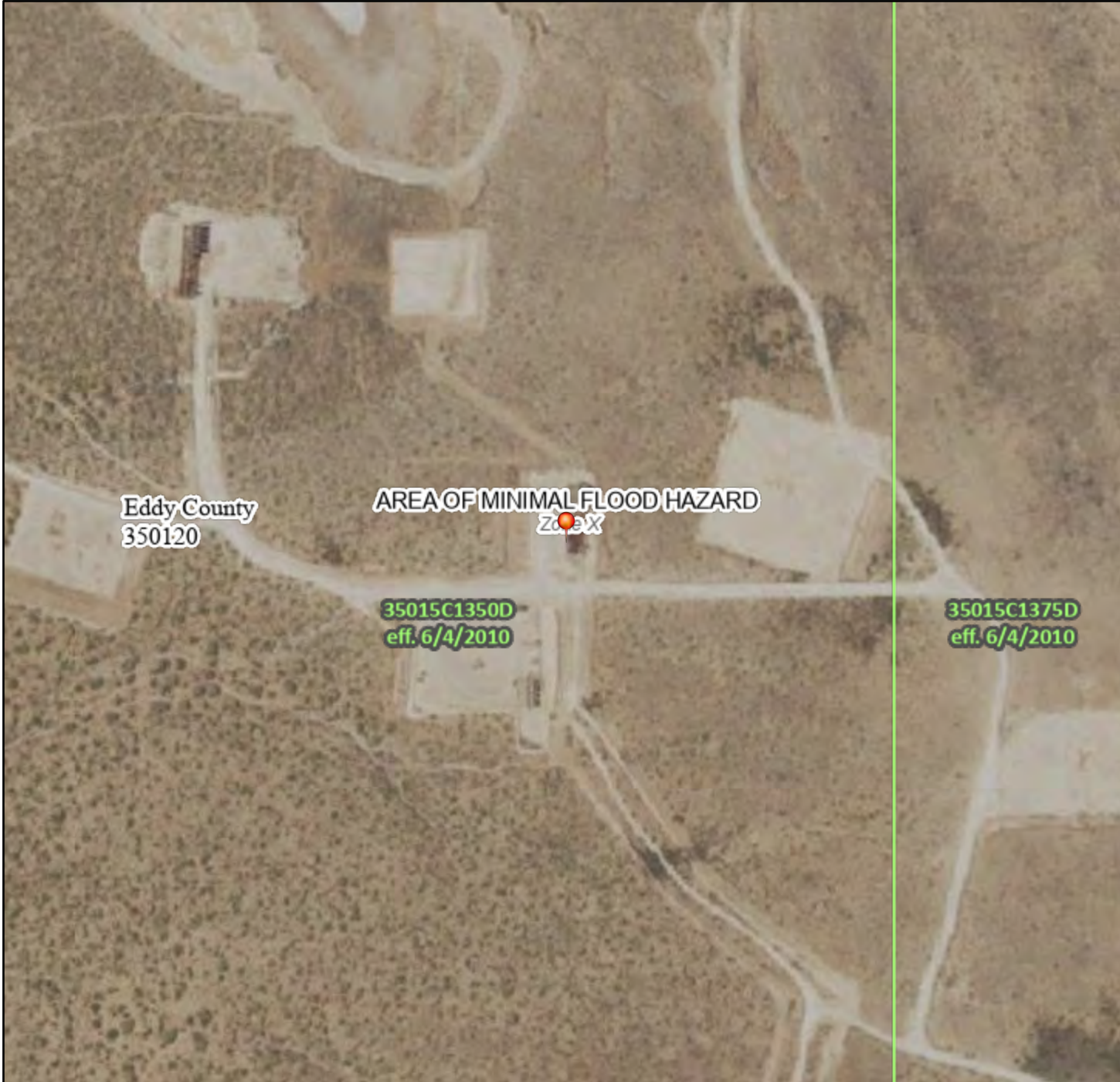


US Census Bureau, NMDOT, Esri, HERE, Garmin, Earthstar Geographics

National Flood Hazard Layer FIRMette



104°0'30"W 32°17'16"N



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

1:6,000

103°59'52"W 32°16'46"N

Released to Imaging: 12/8/2025 2:34:42 PM

Basemap Imagery Source: USGS National Map 2023

Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/14/2025 at 6:58 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



103°59'58.32"W 32°14'33.67"N

FLOOD HAZARD INFORMATION

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

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

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-6627) or visit the FEMA Flood Map Service Center website at <https://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates, refer to the Flood Insurance Study Report for this jurisdiction.

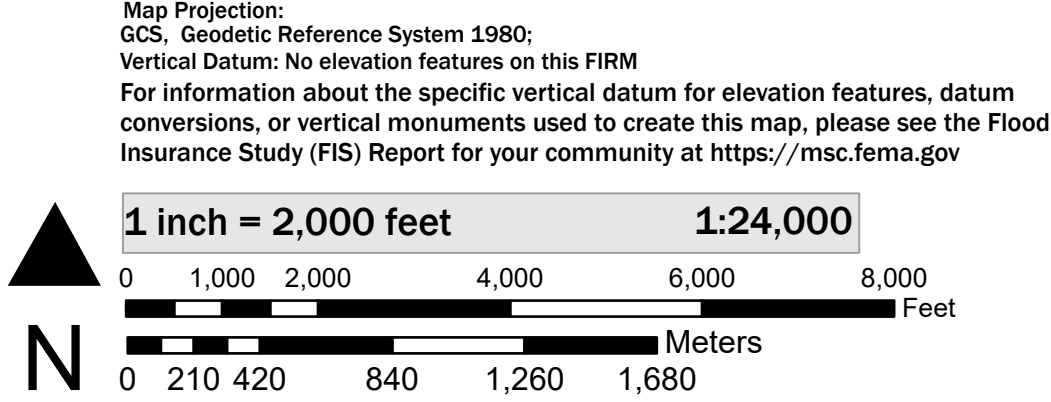
To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Basemap information shown on this FIRM was provided in digital format by USDA, Farm Service Agency (FSA). This information was derived from NAIP, dated April 11, 2018.

This map was exported from FEMA's National Flood Hazard Layer (NFHL) on 3/14/2025 6:59 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. For additional information, please see the Flood Hazard Mapping Updates Overview Fact Sheet at <https://www.fema.gov/media-library/assets/documents/118418>

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date.

SCALE

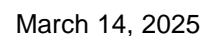


NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP



PANEL 1350 OF 1925




Panel Contains:	350114 NUMBER 350120	350120 PANEL 1350
COMMUNITY		
LOVING, VILLAGE OF EDDY COUNTY		

MAP NUMBER
35015C1350D
EFFECTIVE DATE
June 04, 2010



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.

nAPP2202845563 Closure Report
Harroun Ranch East Tank Battery Release

BTA Oil Producers, LLC
October 6, 2025

ATTACHMENT 3 – BTA REMEDIATION REPORT

Harroun East Tank Battery (Incident Number (nAPP2202845563))

8.12.24 Day 1: Began excavation in the lower area of site found water table at 3.5'.



8.13.24 Day 2: Continued Excavating on the lower end of site and stockpiling Material on Plastic. Approx. 405 Yards of Material stockpiled ready to Haul out.



8.14.24 Day 3: Continued to excavate in the lower portion of site. Began hauling out Material to R-360 Halfway Facility 2 Mad 5 Trucks 8 Loads = 160 Cu. Yards. We have approx. 450 cu yards to haul out.



8.15.24 Day 4: Continued hauling out Material to R-360 Halfway Facility with 6 - 2 Mad 5 Trucks 16 Loads out = 320 Cu. Yards. Dug test pit in SS14 area down to 4'. Field screen came back clean and determined the SS14 area needs to go down 2'. Covered test pit. Current Excavation is Approx. 190' x65'x3.5'. We have approx. 1718 cu. Yards of impacted material stockpiled on site.



8.16.24 Day 5: Hydro vac showed up and began spotting lines, he did 4 holes at 5' deep and 4' wide Found lines at 5' and 4' but the holes fill with about 1' of water and collapse due to water table. Hydrovac only did one load.



8.17.24 Day 6: Ran 15 Mad5 Belly trucks and hauled out a total of 30 loads out = 600 yards to R360 Halfway Facility. Only a pile of boulders is left. Will need end dump trucks to be able to dispose of the boulders.



8.19.24 Day 7: Moved Material to Pad with loader.



8.20.24 Day 8: Resumed Hydrovac operations, completed Hydrovac operations by end of day we will not need the Hydrovac back. We also continued excavations around lines until 1530 when the MPLX rep. left the site.



8.21.24 Day 9: Began excavating above the line and road and stopped close to the intersection for now so it can still be used for the haul out. We'll remove it when we are done hauling out on the bottom. Will make a new pile for the pad on the pad above by hydro vac containment.



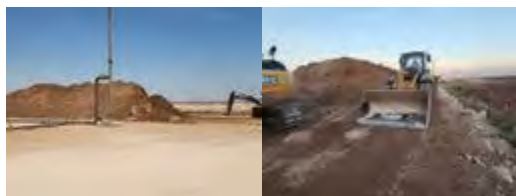
8.22.24 Day 10: We then continued the excavation up to the road. We stopped as we finished the segment in the fence line then began building a fence for the excavation on the pad.



8.23.24 Day 11: Began excavating on the pad 2' and made a new stockpile. We then used material from the topsoil stockpile to fill up the hydrovac containment so it can be hauled out.



8.24.24 Day 12: We had 13 Trucks today hauled out 36 Loads= 720 cu. Yards



8.25.24 Day 13: Hauled out 71 loads of impacted material with 24 trucks for total today of 1420.



8.26.24 Day 14: We excavated the rest of the road connecting both excavations as well we sloped one excavation wall on the pad. We also started moving material to the pad up top to begin hauling out. We finished up excavating.



8.27.24 Day 15: We hauled out 572 yards of topsoil today. We still have a stockpile of topsoil that's about 27x40x15 and we have not touched the caliche pile yet. The caliche pile is about 40x40x15.



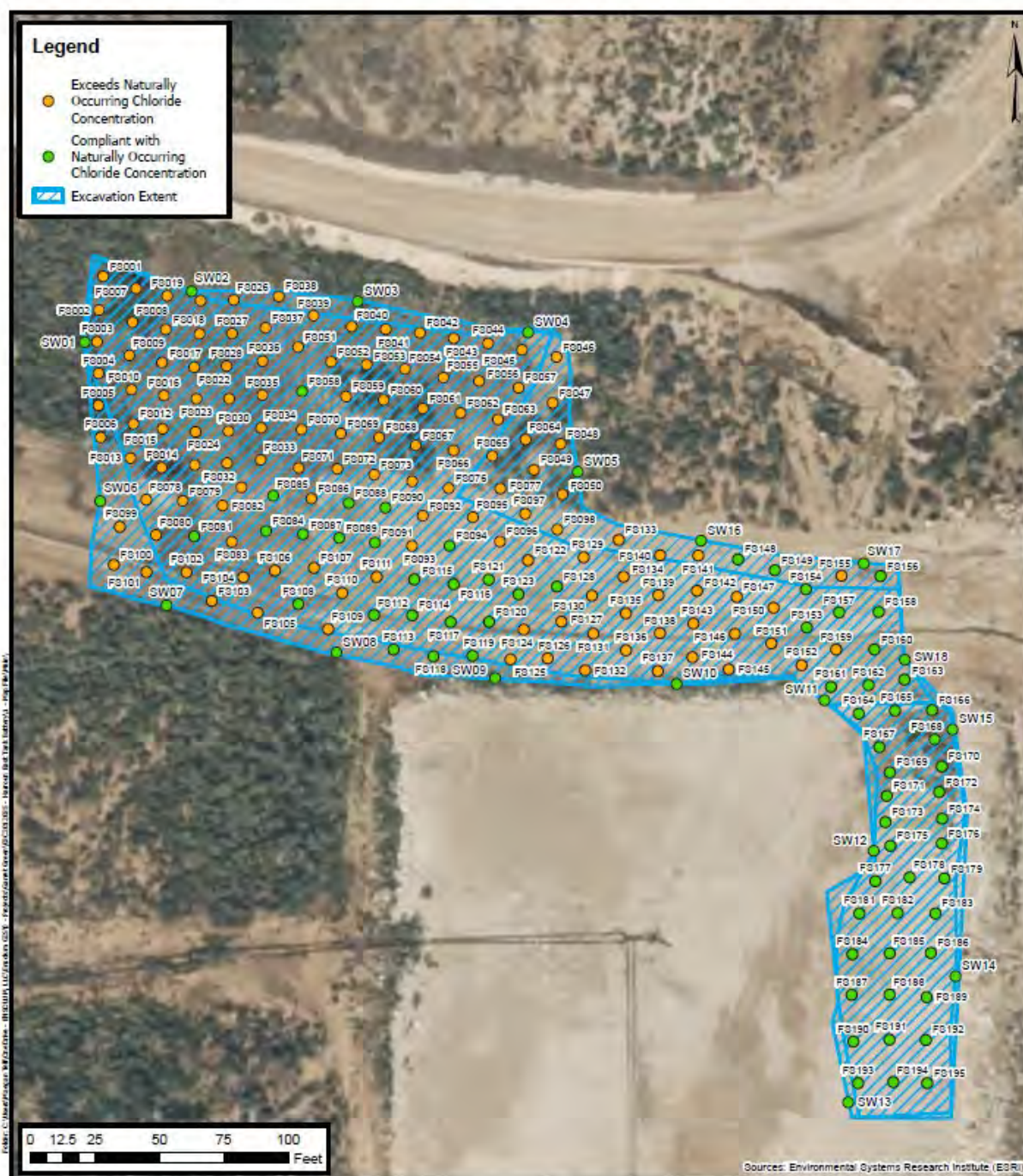
8.28.24 Day 16: There is Approx. 550 Cu. Yards left at the bottom, but we can't safely haul that out until we backfill the roadway.



BTA Reps on site to observe severe leaching and salts:



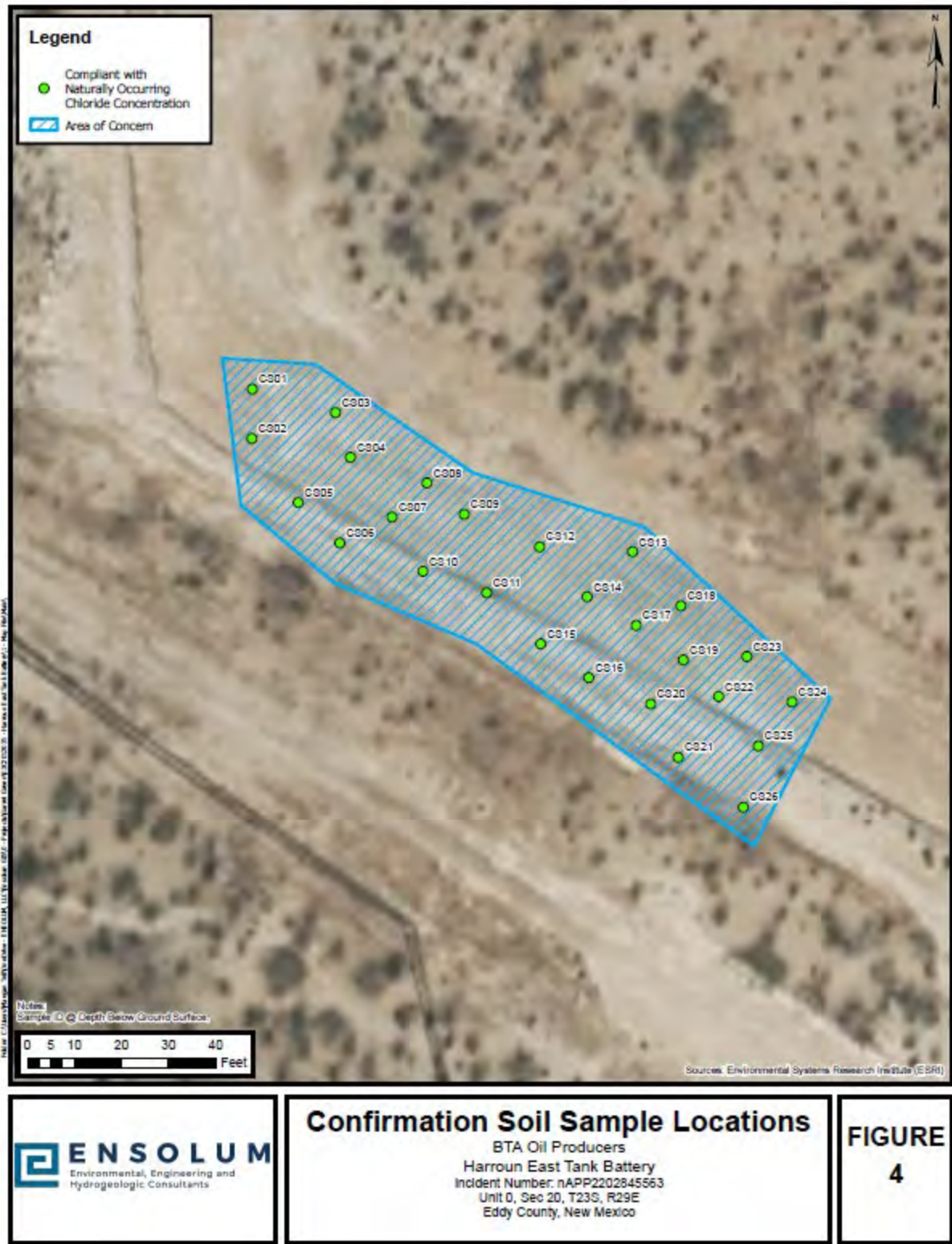




Excavation Soil Sample Locations

BTA Oil Producers
 Harroun East Tank Battery
 Incident Number: nAPP2202845563
 Unit 0, Sec 20, T23S, R29E
 Eddy County, New Mexico

FIGURE
3



1. Analytic data show elevated salinity due to the area of concern. Analytics are attached separately.
2. Have a total of 4492 yards hauled out to date. Roughly half that amount is still sitting on location but in question for disposal since the materials come directly from the playa bottom that was excavated.
3. BTA has requested NFA for this site and closure upon submission.

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Harroun East Tank Battery
 BTA Oil Producers, LLC
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Naturally Occurring Chloride Concentration										5,365
Confirmation Soil Samples										
CS01	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,280
CS02	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,200
CS03	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,330
CS04	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,200
CS05	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,040
CS06	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,360
CS07	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,400
CS08	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,060
CS09	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,120
CS10	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,180
CS11	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,160
CS12	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,020
CS13	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
CS14	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
CS15	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,360
CS16	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,150
CS17	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,480
CS18	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,480
CS19	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,960
CS20	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,720
CS21	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,150
CS22	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,440
CS23	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS24	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS25	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS26	08/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

TABLE 1
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 BTA Oil Producers, LLC
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Naturally Occurring Chloride Concentration										5,365
Floor Soil Samples										
FS001	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,960
FS002	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,640
FS003	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,320
FS004	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,720
FS005	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,840
FS006	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,640
FS007	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,000
FS008	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,120
FS009	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,720
FS010	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,280
FS011	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,720
FS012	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,680
FS013	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,920
FS014	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,520
FS015	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,880
FS016	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,600
FS017	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,880
FS018	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,400
FS019	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,800
FS020	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,120
FS021	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,680
FS022	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,920
FS023	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,280
FS024	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,240
FS025	8/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,500
FS026	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,040
FS027	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,120
FS028	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,730
FS029	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,460
FS030	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,480

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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Naturally Occurring Chloride Concentration										5,365
FS031	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,260
FS032	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,860
FS033	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,720
FS034	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,000
FS035	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
FS036	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,440
FS037	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,040
FS038	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,520
FS039	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,520
FS040	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,160
FS041	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,960
FS042	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	11,100
FS043	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,000
FS044	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,800
FS045	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,160
FS046	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,600
FS047	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,880
FS048	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,680
FS049	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	14,600
FS050	8/14/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,700
FS051	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,100
FS052	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,600
FS053	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,930
FS054	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,200
FS055	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,200
FS056	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,930
FS057	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,330
FS058	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,600
FS059	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,260
FS060	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,860

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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Naturally Occuring Chloride Concentration										5,365
FS061	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,260
FS062	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,320
FS063	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
FS064	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,660
FS065	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,330
FS066	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,930
FS067	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,460
FS068	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,930
FS069	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,000
FS070	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,460
FS071	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
FS072	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,730
FS073	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,930
FS074	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,330
FS075	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000
FS076	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,530
FS077	8/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,800
FS078	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,400
FS079	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,860
FS080	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,400
FS081	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,360
FS082	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,460
FS083	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,500
FS084	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,000
FS085	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,100
FS086	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,400
FS087	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,300
FS088	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,000
FS089	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,100
FS090	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,200

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 BTA Oil Producers, LLC
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Naturally Occurring Chloride Concentration										5,365
FS091	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,700
FS092	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,800
FS093	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,600
FS094	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,400
FS095	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,840
FS096	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,760
FS097	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,760
FS098	8/19/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
FS099	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000
FS100	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,920
FS101	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,080
FS102	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,160
FS103	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,160
FS104	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,440
FS105	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,680
FS106	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,600
FS107	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,920
FS108	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,360
FS109	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,160
FS110	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000
FS111	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,840
FS112	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,720
FS113	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,200
FS114	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,000
FS115	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,240
FS116	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,560
FS117	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,400
FS118	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,720
FS119	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,320
FS120	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,560

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Harroun East Tank Battery
 BTA Oil Producers, LLC
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Naturally Occurring Chloride Concentration										5,365
FS121	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,160
FS122	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,440
FS123	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,960
FS124	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,360
FS125	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,480
FS126	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,040
FS127	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
FS128	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,800
FS129	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,520
FS130	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000
FS131	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,320
FS132	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,160
FS133	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,720
FS134	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,960
FS135	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,720
FS136	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,480
FS137	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,240
FS138	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,160
FS139	08/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,640
FS140	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	23,600
FS140	09/24/2024	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16,200
FS141	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	33,200
FS141	09/27/2024	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,000
FS142	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	29,200
FS142	09/27/2024	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,200
FS143	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	27,200
FS143	09/27/2024	3.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	13,400
FS144	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,700
FS145	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,900

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 BTA Oil Producers, LLC
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Naturally Occuring Chloride Concentration										5,365
FS146	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,800
FS147	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,320
FS148	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,320
FS149	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,320
FS150	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,600
FS151	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16,200
FS152	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,280
FS153	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,640
FS154	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,360
FS155	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,000
FS156	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,280
FS157	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,160
FS158	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,600
FS159	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,680
FS160	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,960
FS161	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,480
FS162	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,960
FS163	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,360
FS164	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,400
FS165	08/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,840
FS166	08/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,120
FS167	08/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,240
FS168	08/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,760
FS169	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,720
FS170	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,240
FS171	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,800
FS172	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,160
FS173	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,040
FS174	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,080
FS175	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,600

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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Naturally Occuring Chloride Concentration										5,365
FS176	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,000
FS177	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,480
FS178	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,960
FS179	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,520
FS180	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,680
FS181	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,360
FS182	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,080
FS183	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,800
FS184	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,680
FS185	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,560
FS186	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,800
FS187	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,960
FS188	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,240
FS189	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,800
FS190	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,960
FS191	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,200
FS192	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,800
FS193	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,240
FS194	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,680
FS195	08/26/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,560

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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Naturally Occurring Chloride Concentration										5,365
Sidewall Soil Samples										
SW01	08/21/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,480
SW02	08/21/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,440
SW03	08/21/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,680
SW04	08/21/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,600
SW05	08/21/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,760
SW06	08/21/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,120
SW07	08/21/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	976
SW08	08/21/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	928
SW09	08/21/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,090
SW10	08/21/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,070
SW11	08/27/202	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,360
SW12	08/27/202	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,840
SW13	08/27/202	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,640
SW14	08/27/202	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,520
SW15	08/27/202	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,680
SW16	08/27/202	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,640
SW17	08/27/202	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,600
SW18	08/27/202	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,760

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table 1 Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

nAPP2202845563 Closure Report
Harroun Ranch East Tank Battery Release

BTA Oil Producers, LLC
October 6, 2025

ATTACHMENT 4 – REGULATORY CORRESPONDENCE

Allen, Samantha

From: SAMANTHA.ALLEN@tetrattech.com
Subject: FW: [EXTERNAL] RE: NAPP2202845563 Harroun East Tank Battery - Remediation Plan Inquiry; App/Action ID 375617
Attachments: Soil Sample Analytical Results - Harroun East Tank Battery.pdf; BTA- Work Plan- Harroun East Tank Battery- Incident Number nAPP2202845563.pdf; 20241002_Harroun East Tank Battery_fig4_v1_MT.pdf; 20241002_Harroun East Tank Battery_fig3_v2_MT.pdf

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Tuesday, March 25, 2025 12:30 PM
To: Llull, Christian <christian.llull@tetrattech.com>
Subject: FW: [EXTERNAL] RE: NAPP2202845563 Harroun East Tank Battery - Remediation Plan Inquiry; App/Action ID 375617

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. **⚠**

Here is some more data just in case you don't have it – mb

From: Ray Ramos <RRamos@btaoil.com>
Sent: Thursday, January 9, 2025 11:13 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: [EXTERNAL] RE: NAPP2202845563 Harroun East Tank Battery - Remediation Plan Inquiry; App/Action ID 375617

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

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Tuesday, January 7, 2025 9:01 AM
To: Ray Ramos <RRamos@btaoil.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: NAPP2202845563 Harroun East Tank Battery - Remediation Plan Inquiry; App/Action ID 375617

Caution: This email originated from outside of BTA. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Ray,

I've been reviewing the remediation plan submitted by Ensolum on your behalf. The question I have from the report is how they (Ensolum) derived the background threshold of 5,365 mg/Kg to be used as the closure standard via a variance?

I've tried to come up with an answer using the data they provided but could not come up with the same value. I've contacted Ensolum on Friday and explained the situation which they are in the process of retrieving the answer to me.

I'm sending you this email to let you know that I'm trying to resolve the background variance requested in the report.

If you have the answer to my question (or not), I would greatly appreciate a reply to this.

Have a safe and productive day!

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.nm.gov/ocd>



From: [Velez, Nelson, EMNRD](#)
To: [Llull, Christian](#)
Cc: [Allen, Samantha](#); [Bratcher, Michael, EMNRD](#)
Subject: Re: [EXTERNAL] Extension Request - nAPP2202845563 (Harroun East Tank Battery Release)
Date: Wednesday, April 2, 2025 2:49:05 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[Outlook-5bfylf2.png](#)

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Good afternoon Christian,

Thanks for the correspondence. Your 90-day time extension request is approved. Remediation Due date updated to July 7, 2025.

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

The OCD requires a copy of all correspondence related 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.nm.gov/oed>



From: Llull, Christian <Christian.Llull@tetrattech.com>
Sent: Tuesday, April 1, 2025 8:26 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Allen, Samantha <SAMANTHA.ALLEN@tetrattech.com>
Subject: [EXTERNAL] Extension Request - nAPP2202845563 (Harroun East Tank Battery Release)

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Nelson:

On behalf of BTA, Tetra Tech is requesting a 90-day extension (until July 7, 2025) to complete field activities and associated reporting for the Harroun East TB Release (nAPP2202845563) remediation in Eddy County, NM.

A Remediation Work Plan (Work Plan) was drafted by Ensolum and submitted to NMOCD. Ensolum proposed a background chloride concentration of 5,365 mg/kg.

Chloride-impacted soil was identified within the release extent, as such, the following remediation activities were proposed:

- Excavation of impacted soil to a maximum depth of approximately 6 feet bgs in areas exceeding the proposed naturally occurring chloride concentration of 5,365 mg/kg.
- Confirmation soil samples will be 5-point composite samples representing at most 200 square feet in area. Samples will be collected from the floor and sidewalls of the excavation. Since BTEX and TPH were not detected in any soil samples, Ensolum is requesting a variance and only submitting confirmation soil samples for analysis of chloride.
- The proposed excavation extents measure approximately 37,500 square feet. Based on a maximum excavation depth of 6 feet bgs, an estimated 8,000 cubic yards of impacted soil will be excavated.
- The excavated soil will be transported and disposed of at a New Mexico approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions.

The Work Plan was rejected by the NMOCD on January 8, 2025 with the following comments:

- *OCD could not confirm the chloride background with the information provided. Please submit how BTA derived the chloride value to be used as its proposed closure standard.*
- *Must remediate the fully delineated impact area exceeding the chloride standards (currently 600 mg/Kg) or until bullet #1 has been confirmed.*
- *Variance request to eliminate the Total Petroleum Hydrocarbons, benzene, toluene, ethylbenzene, and total xylenes from further laboratory analysis would be approved once the remediation plan has been completed and approved.*
- *BTA has 90-days (April 8, 2025) to submit to OCD its appropriate or final remediation closure report. "In order for deferrals to be approved, ECO follows NMOCD rules, full vertical and horizontal delineation must be provided. This would need to be completed in proximity of the wellhead(s). For future reports, please include sample depths on the laboratory summary tables."*

Tetra Tech is currently evaluating the remedial action at the project site. Work began in 2024, prior to the rejection.

As noted in the Work Plan, the area of the release site is in close proximity to the salt lakes. A conference call with NMOCD and Tetra Tech was held on Tuesday, March 25, 2025. In this call, the collected data was reviewed, and additional work completed to date was discussed. The NMOCD verbally agreed to an extension during the call, based on the nuances at the Site.

Tetra Tech will provide collected background sampling data and additional locations to the NMOCD prior to additional background sampling, as discussed.

Thus, additional time is required to ensure the release, the background data, and the ensuing remediation are properly evaluated.

Once the additional background sampling and remedial activities are complete, and confirmation sampling data is collected, tabulated, and evaluated, a closure report will be submitted to the OCD. Please let me know if you have any questions or concerns.

Christian Llull, P.G. (TX, LA) | Program Manager

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From: [Velez, Nelson, EMNRD](#)
To: [Allen, Samantha](#)
Cc: [Llull, Christian](#); [Bratcher, Michael, EMNRD](#)
Subject: Re: [EXTERNAL] BTA - Harroun East Tank Battery Release (nAPP2202845563) - Additional Background Sampling
Date: Friday, April 11, 2025 8:54:30 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[Outlook-uu0b20wv.png](#)

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Good morning Samantha,

Thank you for the correspondence. The map has been entered as an approved submission and can be located within the incident files. You should have received an email under application ID 451062.

Thanks again for your cooperation and understanding. Hope you have a great weekend if we do not converse before then.

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.nm.gov/oecd>



From: Allen, Samantha <SAMANTHA.ALLEN@tetrattech.com>
Sent: Thursday, April 10, 2025 10:34 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Llull, Christian <Christian.Llull@tetrattech.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] BTA - Harroun East Tank Battery Release (nAPP2202845563) - Additional Background Sampling

Nelson,

I apologize for the delayed response. I've reviewed the information provided and the included map, and I am in agreement with the proposed approach. I was also able to obtain client approval to move forward.

Please let me know if there's anything further needed at this time. I'll proceed accordingly.

Best regards,

Samantha

Samantha Allen | Staff Environmental Scientist
Direct Mobile +1 (512) 788-2948 | Samantha.allen@tetrattech.com

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From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Friday, April 4, 2025 4:12 PM
To: Allen, Samantha <SAMANTHA.ALLEN@tetrattech.com>
Cc: Llull, Christian <Christian.Llull@tetrattech.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: Re: [EXTERNAL] BTA - Harroun East Tank Battery Release (nAPP2202845563) - Additional Background Sampling

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Good afternoon Samantha,

Thank you for the correspondence. OCD has included a map which shows what we expect for the background samples (similar to the northern area computations).

Once you have reviewed OCD's request, please contact me via email if you are in agreement. If you have any questions toward the approach, please contact either Mike Bratcher or myself.

This map will eventually be placed in the incident files once a consensus has been reached.

Looking forward to hearing from you.

Thanks again and have a wonderful weekend.

Regards,

Nelson Velez • Environmental Specialist - Adv
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<http://www.emnrd.nm.gov/ocd>



From: Allen, Samantha <SAMANTHA.ALLEN@tetrattech.com>
Sent: Thursday, April 3, 2025 10:21 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Llull, Christian <Christian.Llull@tetrattech.com>
Subject: [EXTERNAL] BTA - Harroun East Tank Battery Release (nAPP2202845563) - Additional Background Sampling

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Nelson:

As discussed on the conference call held Tuesday, March 25, 2025, Tetra Tech is currently evaluating the Harroun East Tank Battery Release (nAPP2202845563) site.

As explained in the call, Tetra Tech has previously conducted background sampling in the general vicinity of the northern end of the reported release extent.

These previously sampled locations are indicated in the attached Figure 4 in blue.

The data collected from these locations is included as Table 3.

Within Table 3, each sampled interval result (0-1' e.g.) was added together and averaged. Then the entirety of the 0-4' average results were averaged.

The resulting value for background in the upper 4 feet at the northern end of the release was 14,439 mg/kg chloride.

Based on the call, NMOCD would like to establish background values for the southern end of the release area, in the event that these areas may not be affected by the adjacent salt lakes.

Thus, Tetra Tech has attached a figure for NMOCD review.

The figure indicates proposed areas for additional background sampling. If NMOCD concurs, samples to be collected and background levels would be calculated and applied to the southern portion of the release.

On behalf of BTA, Tetra Tech is requesting NMOCD review of the background boring placement for approval to move forward with these additional background sampling activities.

Once the additional background sampling activities are complete, Tetra Tech will provide the datasets for NMOCD review.

If NMOCD agrees to the proposed values, remedial activities will continue.

Once all confirmation sampling data is collected, tabulated, and evaluated, a final report will be submitted to the OCD.

Please let me know if you have any questions or concerns.

Samantha Allen | Staff Environmental Scientist

Direct Mobile +1 (512) 788-2948 | Samantha.allen@tetrattech.com

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From: [Velez, Nelson, EMNRD](#)
To: [Allen, Samantha](#)
Cc: [Lull, Christian](#); [Bratcher, Michael, EMNRD](#)
Subject: Re: [EXTERNAL] Variance Request #1 - Harroun Ranch East Tank Battery (nAPP2202845563)
Date: Tuesday, June 17, 2025 12:56:24 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[Outlook-bc10mbfe.png](#)

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Good afternoon Samantha,

Thank you for the correspondence.

Your variance request to forgo remediating FS049, FS140, and FS151 to the approved background of 14,439 mg/Kg is approved.

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

The OCD requires a copy of all correspondence related 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,

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<http://www.emnrd.nm.gov/oed>



From: Allen, Samantha <SAMANTHA.ALLEN@tetrattech.com>
Sent: Wednesday, June 11, 2025 1:16 PM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: Llull, Christian <Christian.Llull@tetrattech.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: [EXTERNAL] Variance Request #1 - Harroun Ranch East Tank Battery (nAPP2202845563)

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Nelson,

This correspondence will recap our previous email correspondence (Thursday, April 3, 2025), as well as discuss conversations between TT and NMOCD regarding the confirmation sampling of portions of the subject line area and the remedial action performed to date.

The email correspondence was related to a prior call between OCD and Tetra Tech regarding the Harroun East Tank Battery Release (nAPP2202845563) site.

As discussed on the conference call held on Tuesday, March 25, 2025, Tetra Tech is currently evaluating the Harroun East Tank Battery Release (nAPP2202845563) site and the collected data (mainly Ensolum).

As explained in the call, Tetra Tech has conducted background sampling in the general vicinity of the northern end of the reported release extent. These previously sampled locations are indicated in the attached Figure 4 in [blue](#).

The data collected from these locations is included in Table 4.

Within Table 4, each sampled interval result (0-1' e.g.) was added together and averaged. Then the entirety of the 0-4' average results were averaged to calculate a background concentration for the upper four feet of soil in closest proximity to the Salt Lake.

The resulting value for background in the upper 4 feet at the northern end of the release was **14,439 mg/kg** chloride.

The call and ensuing correspondence discussed that the background data collected was viable for this specific area, in the vicinity of the Salt Lake, and established that the protocol was acceptable.

As made aware on the conference call, the previous consultant, Ensolum, had collected confirmation samples from this specific remedial area. Those results are included in Table 2. That data had been previously provided to OCD in email correspondence.

Based on the established background calculated concentration, nearly all the analytical results from the Ensolum confirmation sampling are below the calculated value of 14,439 mg/kg. The attached Figure 6 illustrates the area where the agreed-upon background concentration applies.

However, three sample points (FS049, FS140, and FS-151) collected from the base/floor of the excavation are slightly above this calculated value.

This area has unfortunately been backfilled. Based on the preponderance of data indicating that the remedial action was successful in removing impacted soil that is above the background level, these three points are not a threat to groundwater, do not endanger public health, and do not substantially damage property or the environment.

Thus, TT is requesting a variance to the agreed upon background value for these three locations (FS049, FS140, and FS-151) shown in Figure 5.

Please note, this variance request applies solely to the area designated in Figure 5.

Following the Thursday, April 3, 2025, call, NMOCD requested the establishment of background values for the middle and southern end of the release area, in the event that these areas may not be affected by the adjacent salt lakes.

That work has been completed. The collected data has been tabulated and evaluated. The data does indicate a sliding scale of salinity in soils based on proximity to the Salt Lake.

That data and accompanying figures will be submitted under separate cover to the NMOCD.

Please let us know if you approve of this variance and if you have any questions or comments.
Thank you in advance.

Best Regards,

Samantha

Samantha Allen | Project Manager
Direct Mobile +1 (512) 788-2948 | Samantha.allen@tetrattech.com

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From: [Velez, Nelson, EMNRD](#)
To: [Allen, Samantha](#)
Cc: [Lull, Christian](#); [Bratcher, Michael, EMNRD](#)
Subject: Re: [EXTERNAL] Variance Request #2 - Harroun Ranch East Tank Battery (nAPP2202845563)
Date: Tuesday, June 17, 2025 12:57:01 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[Outlook-exic2ogo.png](#)

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Good afternoon Samantha,

Thank you for the correspondence.

Your alternative sampling plan to increase the sampling frequency from 200 to 500 square feet per composite sample is denied; however, OCD will allow 400 square feet per composite from the excavation floor and 200 square feet from the sidewall samples.

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

The OCD requires a copy of all correspondence related 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
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1000 Rio Brazos Road | Aztec, NM 87410
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<http://www.emnrd.nm.gov/oed>



From: Allen, Samantha <SAMANTHA.ALLEN@tetrattech.com>

Sent: Wednesday, June 11, 2025 1:16 PM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: Llull, Christian <Christian.Llull@tetrattech.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: [EXTERNAL] Variance Request #2 - Harroun Ranch East Tank Battery (nAPP2202845563)

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Nelson,

This variance request (#2) is associated with additional remedial action and confirmation sampling which will be required at the Harroun East Tank Battery Release (nAPP2202845563) site.

Tetra Tech has conducted background sampling in the general vicinity of the northern end of the reported release extent, as explained and documented in calls and correspondence.

Additional calls and correspondence determined that NMOCD desired to establish additional background values for the southern end of the release area, in the event that these areas may not be affected by the adjacent salt lakes.

Proposed background sampling areas were concurred upon by NMOCD in April 2025 emails.

The collected data has been compiled and is attached for your review, organized into separate tables to clearly present the findings (Table 5 and Table 6).

The data indicates that there is a notable variation in soil salinity levels based on proximity to the Salt Lake.

For a clearer understanding of this spatial variation, please refer to the attached Figure 7, which visually illustrates the salinity gradient relative to the lake. Area #2 is light green, and Area #3 is blue.

Remedial action has been carried out by BTA in 2025 over an approximately 13,753-square-foot area, near the battery, in the southern portion of the extent. The remedial action occurred in Area #3.

However, it should be noted that confirmation samples were not collected during the remedial work performed by BTA. Unfortunately, this area was inadvertently backfilled with clean soil before confirmation sampling could be conducted by Tetra Tech.

Despite this, BTA has maintained photographic documentation of the remedial activities, which is available for review. The attached Figure 8 highlights the specific area where these actions took place.

Based on the newly established background chloride concentrations for the southern portion of the extent, we have identified two additional areas that will require excavation to address residual impacts (Areas of SS12 and SS11).

Since there is currently no approved Work Plan in place, this variance request is connected to the upcoming confirmation sampling.

This sampling will be necessary to demonstrate that all impacted material has been effectively

removed from the site and obtain closure.

Thus, Tetra Tech, on behalf of BTA, would like to request a variance to collect confirmation samples at a frequency of every 500 square feet for the subject line incident.

The square footage to be sampled is approximately 13,753 sq. ft., and Tetra Tech proposes to collect a total of 28 confirmation samples, at 4 ft below ground surface.

An additional 6 samples will be collected from the backfill in this area for verification (within areas above 4' bgs where backfill has been placed).

The square footage for the other two areas is approximately 1,760 sq. ft., and we will collect a total of 10 confirmation samples, at 4 ft below ground surface.

Please let me know if you have any questions or concerns.

Thank you in advance.

Best Regards,

Samantha

Samantha Allen | Project Manager
Direct Mobile +1 (512) 788-2948 | Samantha.allen@tetrattech.com

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From: [Velez, Nelson, EMNRD](#)
To: [Allen, Samantha](#)
Cc: [Bratcher, Michael, EMNRD](#); [Llull, Christian](#)
Subject: Re: [EXTERNAL] Extension Request - nAPP2202845563 (Harroun East Tank Battery Release)
Date: Tuesday, July 1, 2025 2:43:23 PM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)
[image010.png](#)
[image011.png](#)
[image012.png](#)
[image013.png](#)
[image014.png](#)
[image015.png](#)
[image016.png](#)
[Outlook-5kzf4412.png](#)

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Good afternoon Samantha,

Thank you for the correspondence.

Your 90-day time extension is approved. Remediation Due date has been updated to October 6, 2025.

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

Have a safe and productive day!

Regards,

Nelson Velez • Environmental Specialist - Adv
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(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/oce>



From: Allen, Samantha <SAMANTHA.ALLEN@tetrattech.com>
Sent: Tuesday, July 1, 2025 1:13 PM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Llull, Christian <Christian.Llull@tetrattech.com>

Subject: [EXTERNAL] Extension Request - nAPP2202845563 (Harroun East Tank Battery Release)

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Nelson,

On behalf of BTA, Tetra Tech is requesting a 90-day extension (until October 7, 2025) to complete remedial activities and associated reporting for the Harroun Ranch East Tank Battery Release (**NAPP2202845563**).

A 90-day extension request for nAPP2202845563 was approved on April 2, 2025. During that extension, work consisted of:

- Evaluating assessment and remediation work completed by Ensolum.
- Evaluating data from Ensolum.
- Evaluating earthwork completed by Standard on behalf of BTA.

The extension was approved. The new due date was updated to July 7, 2025.

BTA has coordinated several iterations of work phases at the site, as documented in previous email correspondence with OCD. This site is nuanced, with surface and subsurface in close proximity to the salt lakes.

Since the previous extension, Tetra Tech has completed additional work at the site, including:

- Establishing background value concentration closest to the salt lake.
- Calls and correspondence with OCD.
- Collection of additional background in accordance with OCD requirements in approved locations.
- Establishment of background with OCD for the entirety of the release area footprint.
- Conducting an additional site visit to assess current conditions following the additional remediation conducted by BTA in March 2025.
- Requesting variance requests that have been reviewed by the OCD.
 - Variance request #1 to forgo remediating FS049, FS140, and FS151 to the approved background of 14,439 mg/Kg was approved.
 - Variance request #2 for an alternative sampling plan to increase the sampling frequency from 200 to 500 square feet per composite sample was denied; however, the OCD will allow 400 square feet per composite from the excavation floor and 200 square feet from the sidewall samples.

In May 2025, BTA experienced a management restructuring, during which the team was working to fully understand and assess the current project status.

At the Client's request, Tetra Tech mobilized to the site on June 10, 2025, to review prior field activities completed and evaluate current site conditions.

Our understanding is that BTA had completed additional remediation work, however, this area was inadvertently backfilled with clean soil before confirmation sampling could be conducted by Tetra Tech.

Initiating the additional remediation and subsequent confirmation sampling has required extensive planning and coordination prior to execution. BTA is making final selection of a subcontractor for the additional remediation work required to close the site and work should be commencing in the next two weeks.

Prior to commencing additional remediation, Tetra Tech will provide the NMOCD with proper notification of confirmation sampling.

A 90-day extension is required to safely complete the final stages of work at the project site.

Once the additional remedial activities are complete, and confirmation sampling data is collected, tabulated, and evaluated, a closure report will be submitted to the OCD within the required timeframe.

Please let me know if you have any questions or concerns.

Thank you in advance.

Samantha Allen | Project Manager

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From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Sent: Wednesday, April 2, 2025 2:49 PM

To: Llull, Christian <Christian.Llull@tetrattech.com>

Cc: Allen, Samantha <SAMANTHA.ALLEN@tetrattech.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: Re: [EXTERNAL] Extension Request - nAPP2202845563 (Harroun East Tank Battery Release)

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. ⚠

Good afternoon Christian,

Thanks for the correspondence. Your 90-day time extension request is approved. Remediation Due date updated to July 7, 2025.

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

The OCD requires a copy of all correspondence related 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.nm.gov/oed>



From: Llull, Christian <Christian.Llull@tetrattech.com>
Sent: Tuesday, April 1, 2025 8:26 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Allen, Samantha <SAMANTHA.ALLEN@tetrattech.com>
Subject: [EXTERNAL] Extension Request - nAPP2202845563 (Harroun East Tank Battery Release)

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

Nelson:

On behalf of BTA, Tetra Tech is requesting a 90-day extension (until July 7, 2025) to complete field activities and associated reporting for the Harroun East TB Release (nAPP2202845563) remediation in Eddy County, NM.

A Remediation Work Plan (Work Plan) was drafted by Ensolum and submitted to NMOCD. Ensolum proposed a background chloride concentration of 5,365 mg/kg.

Chloride-impacted soil was identified within the release extent, as such, the following remediation activities were proposed:

- Excavation of impacted soil to a maximum depth of approximately 6 feet bgs in areas exceeding the proposed naturally occurring chloride concentration of 5,365 mg/kg.
- Confirmation soil samples will be 5-point composite samples representing at most 200 square feet in area. Samples will be collected from the floor and sidewalls of the excavation. Since BTEX and TPH were not detected in any soil samples, Ensolum is requesting a variance and only submitting confirmation soil samples for analysis of chloride.
- The proposed excavation extents measure approximately 37,500 square feet. Based on a maximum excavation depth of 6 feet bgs, an estimated 8,000 cubic yards of impacted soil will be excavated.
- The excavated soil will be transported and disposed of at a New Mexico approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions.

The Work Plan was rejected by the NMOCD on January 8, 2025 with the following comments:

- *OCD could not confirm the chloride background with the information provided. Please submit how BTA derived the chloride value to be used as its proposed closure standard.*
- *Must remediate the fully delineated impact area exceeding the chloride standards (currently 600 mg/Kg) or until bullet #1 has been confirmed.*
- *Variance request to eliminate the Total Petroleum Hydrocarbons, benzene, toluene, ethylbenzene, and total xylenes from further laboratory analysis would be approved once the remediation plan has been completed and approved.*
- *BTA has 90-days (April 8, 2025) to submit to OCD its appropriate or final remediation closure report. "In order for deferrals to be approved, ECO follows NMOCD rules, full vertical and horizontal delineation must be provided. This would need to be completed in proximity of the wellhead(s). For future reports, please include sample depths on the laboratory summary tables."*

Tetra Tech is currently evaluating the remedial action at the project site. Work began in 2024, prior to the rejection.

As noted in the Work Plan, the area of the release site is in close proximity to the salt lakes. A conference call with NMOCD and Tetra Tech was held on Tuesday, March 25, 2025. In this call, the collected data was reviewed, and additional work completed to date was discussed. The NMOCD verbally agreed to an extension during the call, based on the nuances at the Site.

Tetra Tech will provide collected background sampling data and additional locations to the NMOCD prior to additional background sampling, as discussed.

Thus, additional time is required to ensure the release, the background data, and the ensuing

remediation are properly evaluated.

Once the additional background sampling and remedial activities are complete, and confirmation sampling data is collected, tabulated, and evaluated, a closure report will be submitted to the OCD. Please let me know if you have any questions or concerns.

Christian Llull, P.G. (TX, LA) | Program Manager

Direct +1 (512) 338-2861 | Business +1 (512) 338-1667 | Fax +1 (512) 338-1331 | christian.llull@tetrattech.com

Tetra Tech | *Leading with Science*® | OGA

8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetrattech.com

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TETRA TECH

From: OCDOnline@state.nm.us
To: [Allen, Samantha](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 483065
Date: Wednesday, July 9, 2025 11:09:34 AM

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

To whom it may concern (c/o Samantha Allen for BTA OIL PRODUCERS, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2202845563.

The sampling event is expected to take place:

When: 07/14/2025 @ 10:00

Where: O-20-23S-29E 0 FNL 0 FEL (32.28584,-104.00593)

Additional Information: Sampling is expected to take place on Monday 7/14 through Wednesday 7/23. If additional sampling is required due to floor or sidewall expansion, an additional C141N will be submitted.

Additional Instructions: FROM THE INTERSECTION OF NM31 (POTASH MINES RD) AND S. DONALDSON FARM RD, TRAVEL WEST ON NM31 FOR APPROXIMATELY 1.7 MILES. TURN RIGHT AND CONTINUE SOUTH ON UNNAMED LEASE RD FOR APPROXIMATELY 1.1 MILES. TURN LEFT AND CONTINUE EAST ON UNNAMED LEASE RD FOR APPROXIMATELY 2.79 MILES TO ARRIVE AT LOCATE AREA. TURN LEFT AND CONTINUE INTO OPEN EXCAVATION TO ARRIVE AT GPS: 32.286277, 104.004688

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

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

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

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

From: OCDOnline@state.nm.us
To: [Allen, Samantha](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 487142
Date: Monday, July 21, 2025 3:53:31 PM

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

To whom it may concern (c/o Samantha Allen for BTA OIL PRODUCERS, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2202845563.

The sampling event is expected to take place:

When: 07/24/2025 @ 10:00

Where: O-20-23S-29E 0 FNL 0 FEL (32.28584,-104.00593)

Additional Information: Additional sampling is expected to take place on Thursday 7/24 through Monday 7/28. If additional sampling is required due to floor or sidewall expansion, an additional C141N will be submitted.

Additional Instructions: FROM THE INTERSECTION OF NM31 (POTASH MINES RD) AND S. DONALDSON FARM RD, TRAVEL WEST ON NM31 FOR APPROXIMATELY 1.7 MILES. TURN RIGHT AND CONTINUE SOUTH ON UNNAMED LEASE RD FOR APPROXIMATELY 1.1 MILES. TURN LEFT AND CONTINUE EAST ON UNNAMED LEASE RD FOR APPROXIMATELY 2.79 MILES TO ARRIVE AT LOCATE AREA. TURN LEFT AND CONTINUE INTO OPEN EXCAVATION TO ARRIVE AT GPS: 32.286277, 104.004688

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

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

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

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

From: OCDOnline@state.nm.us
To: [Allen, Samantha](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 487418
Date: Tuesday, July 22, 2025 12:05:22 PM

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

To whom it may concern (c/o Samantha Allen for BTA OIL PRODUCERS, LLC),

The OCD has received the submitted *Notification for Liner Inspection for a Release* (C-141L), for incident ID (n#) nAPP2202845563.

The liner inspection is expected to take place:

When: 07/25/2025 @ 10:00

Where: O-20-23S-29E 0 FNL 0 FEL (32.28584,-104.00593)

Additional Information: If any questions or concerns call Samantha Allen at (512) 788-2948 or email at samantha.allen@tetrattech.com

Additional Instructions: FROM THE INTERSECTION OF NM-31 (POTASH MINES RD) AND S. DONALDSON FARM RD, TRAVEL WEST ON NM-31 FOR APPROXIMATELY 1.7 MILES. TURN RIGHT AND CONTINUE SOUTH ON UNNAMED LEASE RD FOR APPROXIMATELY 1.1 MILES. TURN LEFT AND CONTINUE EAST ON UNNAMED LEASE RD FOR APPROXIMATELY 2.78 MILES TO ARRIVE AT LOCATE AREA. TURN RIGHT AND HEAD SOUTH 300 FEET INTO PASTURE TO AREA FOR LOCATING.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, liner inspection pursuant to 19.15.29.11.A(5)(a) NMAC is required. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.**

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

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

From: [Velez, Nelson, EMNRD](#)
To: [Allen, Samantha](#)
Cc: [Llull, Christian](#); [Bratcher, Michael, EMNRD](#)
Subject: Re: [EXTERNAL] Variance Request #3 - Harroun Ranch East Tank Battery (nAPP2202845563)
Date: Wednesday, July 30, 2025 12:30:39 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[Outlook-gkdyzllu.png](#)

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Good afternoon Samantha,

Thanks for talking with me this morning. As I mentioned over the phone, please collect a water sample from the lake to see if the water is unprotectable which OCD believes it is. If this is the case, then you reached the vertical extent whenever you encountered groundwater and no variance is warranted since you removed all soils above the top of the water level (e.g. vadose zone).

If you have any questions or concerns, please contact me at your convenience.

Have a safe and productive day!

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.nm.gov/oed>



From: Allen, Samantha <SAMANTHA.ALLEN@tetrattech.com>
Sent: Tuesday, July 22, 2025 2:35 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Llull, Christian <Christian.Llull@tetrattech.com>

Subject: [EXTERNAL] Variance Request #3 - Harroun Ranch East Tank Battery (nAPP2202845563)

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

Nelson,

This variance request (#3) is associated with the ongoing additional remedial action currently taking place at the Harroun East Tank Battery Release (nAPP2202845563) site.

In previous email correspondence (Tuesday, June 17, 2025), we established that remedial action had been carried out by BTA in 2025 over an approximately 13,753-square-foot area, near the battery, in the southern portion of the extent and that two additional areas required excavation to address residual impacts (Areas of SS12 and SS11) based on Ensolum assessment data. It was also established that the data does indicate a sliding scale of salinity in soils based on proximity to the Salt Lake.

Within Table 5 (included in the June correspondence, and again here), each sampled interval result (0-1' e.g.) was added together and averaged to calculate a background. Then the entirety of the 0-4' average results were averaged to calculate a background concentration for the upper four feet of soil in the middle portion of the entire release extent. The resulting value for background in the upper 4 feet in the middle of the release was **1,387 mg/kg** chloride. In the area closer to the Salt Lake, the background value was 14,439 mg/kg .

ADDITIONAL SITE WORK

Remediation activities are in progress at the release site. On Thursday, July 17, 2025, BTA began excavation in the area of sample SS12. The area excavated was approximately 400- 600 sq ft in area and extended to 4 ft bgs.

Based on the established background of that area of 1,387 mg/kg chloride, the collected laboratory analytical data for the floor sample (FS-31) collected from the base/floor of the excavation slightly exceeded (2,290 mg/kg chloride) this established Background value. Three of the four sidewall samples were below reclamation requirements. The eastern sidewall required an expansion.

While attempting to pothole for a deeper excavation floor sample, the BTA subcontractor encountered a shallow water table at 4.5 ft bgs , resulting in the saturation of the pothole with water, presumably a perched water table in this low-lying area. As a result of this shallow water table, additional excavation would be impractical and unproductive.

Thus, TT is requesting a variance to the established background for this area, based on site conditions and existing chloride concentrations in soil. Tetra Tech proposes to leave the soils with slightly elevated chloride in place and backfill with clean material. The groundwater in this area is highly influenced by the adjacent salt lakes, and these remaining concentrations in soil do not endanger public health, and do not substantially damage property or the environment.

Please note, this variance request applies solely to the area designated in Figure 7.

Please let us know if you approve of this variance and if you have any questions or comments.
Thank you in advance.

Best Regards,

Samantha

Samantha Allen | Project Manager
Direct Mobile +1 (512) 788-2948 | Samantha.allen@tetrattech.com

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TETRA TECH

From: [Velez, Nelson, EMNRD](#)
To: [Allen, Samantha](#)
Cc: [Bratcher, Michael, EMNRD](#)
Subject: Re: [EXTERNAL] Variance Request #4 - Harroun Ranch East Tank Battery (nAPP2202845563)
Date: Wednesday, August 27, 2025 9:44:49 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[Outlook-lbj2qj1o.png](#)

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Good morning Samantha,

Thank you for the inquiry. Your variance request for chlorides exceeding the closure standards in those areas labeled, FS-1, FS-3, FS-5, FS-6, and FS-10 at or below four (4) feet (ft.) below grade (b.g.) as determining the vertical extent is approved as long as BTA remediate from grade to four (4) ft. b.g. as mentioned.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience. Thank you.

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.nm.gov/oecd>



From: Allen, Samantha <SAMANTHA.ALLEN@tetrattech.com>

Sent: Thursday, August 14, 2025 1:58 PM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: [EXTERNAL] Variance Request #4 - Harroun Ranch East Tank Battery (nAPP2202845563)

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

Nelson and Mike,

Following up on our conference call held on, July 25, 2025, Tetra Tech on behalf of BTA would like to request a variance for the Harroun East Tank Battery Release (nAPP2202845563) for the area depicted in the attached figure.

As discussed during the conference call, a substantial portion of the work has been successfully completed; however, BTA and Tetra Tech believe an additional variance is warranted based naturally occurring conditions encountered in the field due to close proximity to a Salt Lake.

Below is a summary of our previous email correspondence (Tuesday, July 29, 2025), as well as conversations between Tetra Tech and NMOCD regarding the current conditions of the subject line Site as well as the direction from the OCD to establish a clear and actionable path forward.

During the conference call, it was established that a potential variance could be granted for the areas (FS-1 through FS-6 and FS-10), provided that Tetra Tech demonstrates a diligent effort to delineate contamination to a depth of at least 10 feet below ground surface (bgs).

Please note, in previous email correspondence, it was established that the data does indicate a sliding scale of salinity in soils based on proximity to the Salt Lake.

ADDITIONAL SITE WORK

On Monday, July 28, 2025, as directed by NMOCD, BTA conducted additional vertical delineation efforts in the areas of FS-5 and FS-6, targeting zones with the highest chloride concentrations. The areas were potholed to depths of 8 ft bgs, 9 ft bgs., and 10 ft bgs. Analytical results are included in Table 6.

Delineation was not achieved in either area, and chloride concentrations remain variable, with values continuing to exceed the established background levels for the area with increased depth. Therefore, based on the established RRALS of that area of 600 mg/kg chloride, the collected laboratory analytical data for the floor samples (FS-5 and FS-6) exceeded the established Background value at all depths.

BTA has temporarily suspended all work activities, therefore, all excavated areas remain open due to the existing conditions at the Site until a clear path forward is established.

VARIANCE REQUEST

Tetra Tech on behalf of BTA is requesting a variance for chloride cleanup levels (600 mg/kg) for the area described above and depicted in Figure 8 in accordance with 19.15.29.14 NMAC.

The area the Site resides within has been demonstrated to have variable naturally occurring soil

chloride concentrations in excess of RRALs, and groundwater chloride concentrations are locally influenced by the adjacent Salt Lake to the north.

Groundwater chloride concentrations have been measured between 24,400 and 36,700 mg/L.

Therefore, based on the analytical data from these areas, chloride concentrations are expected to increase progressively closer to encountering the confirmed saline groundwater.

Further excavation activities could encounter groundwater and are likely to facilitate the upward migration of salts into shallower soil horizons.

Additional excavation in these zones would be both unfeasible and unlikely to yield productive results, as the lithologic conditions in this area—characterized by dense, hard rock strata encountered during delineation and excavation activities—are rendering further excavation efforts impractical.

Any additional vertical delineation of chloride concentrations at the site will be impractical or impossible due to the naturally occurring groundwater chloride concentrations.

Therefore, Tetra Tech proposes to remediate soils in the upper 4 feet bgs to the chloride RRAL of 600 mg/kg to restore the soil horizon and subsurface soil intervals (greater than 4 feet bgs) to the chloride RRAL for groundwater between 51 and 100 feet bgs of 10,000 mg/kg, as depicted below:

The most stringent RRALS in accordance with Table I of 19.15.29.12 NMAC will be used for the southern portion of the release area in furthest proximity to the Salt Lakes, which includes areas of FS-1 through FS-6 and FS-10, which are outside the requested variance area.

Leaving the remaining soil chloride concentrations in place below 4 feet bgs as described above does not pose a risk to fresh water, public health, and the environment.

Please note, this variance request applies solely to the area designated in Figure 8.

Please let us know if you approve of this variance and if you have any questions or comments.

Thank you in advance.

Best Regards,

Samantha

Samantha Allen | Project Manager

Direct Mobile +1 (512) 788-2948 | Samantha.allen@tetrattech.com

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nAPP2202845563 Closure Report
Harroun Ranch East Tank Battery Release

BTA Oil Producers, LLC
October 6, 2025

ATTACHMENT 5 – LABORATORY ANALYTICAL DATA



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

May 11, 2023

HADLIE GREEN

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HARROUN EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/08/23 14:27.

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 fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 01 @ 0.5' (H232261-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70	
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30	
Total BTX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/09/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 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:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 02 @ 0.5' (H232261-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 03 @ 0.5' (H232261-03)

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	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTEX	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 04 @ 0.5' (H232261-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTEX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 05 @ 0.5' (H232261-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTEX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32000	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 06 @ 0.5' (H232261-06)

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	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTEX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6560	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 07 @ 0.5' (H232261-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTEX	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 08 @ 0.5' (H232261-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 09 @ 0.5' (H232261-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTEx	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	19.6	10.0	05/09/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 70.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 10 @ 0.5' (H232261-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTEX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13100	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 69.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 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:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 11 @ 0.5' (H232261-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTEX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 12 @ 0.5' (H232261-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	0.399	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTEX	0.399	0.300	05/09/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5360	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M	mg/kg	Analyzed By: MS						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	65.3	50.0	05/09/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	15800	50.0	05/09/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	2690	50.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 569 % 49.1-148

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 13 @ 0.5' (H232261-13)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 14 @ 0.5' (H232261-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.99	99.7	2.00	15.7		
Toluene*	<0.050	0.050	05/09/2023	ND	1.94	97.0	2.00	14.3		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.03	102	2.00	13.9		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	5.97	99.5	6.00	14.1		
Total BTEX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	49600	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 15 @ 0.5' (H232261-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.99	99.7	2.00	15.7		
Toluene*	<0.050	0.050	05/09/2023	ND	1.94	97.0	2.00	14.3		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.03	102	2.00	13.9		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	5.97	99.5	6.00	14.1		
Total BTEX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 56.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.9 % 49.1-148

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 16 @ 0.5' (H232261-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.99	99.7	2.00	15.7		
Toluene*	<0.050	0.050	05/09/2023	ND	1.94	97.0	2.00	14.3		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.03	102	2.00	13.9		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	5.97	99.5	6.00	14.1		
Total BTEX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	51200	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 17 @ 0.5' (H232261-17)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.99	99.7	2.00	15.7		
Toluene*	<0.050	0.050	05/09/2023	ND	1.94	97.0	2.00	14.3		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.03	102	2.00	13.9		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	5.97	99.5	6.00	14.1		
Total BTX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	44800	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 18 @ 0.5' (H232261-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.99	99.7	2.00	15.7		
Toluene*	<0.050	0.050	05/09/2023	ND	1.94	97.0	2.00	14.3		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.03	102	2.00	13.9		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	5.97	99.5	6.00	14.1		
Total BTEX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/08/2023
Reported: 05/11/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 19 @ 0.5' (H232261-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.99	99.7	2.00	15.7		
Toluene*	<0.050	0.050	05/09/2023	ND	1.94	97.0	2.00	14.3		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.03	102	2.00	13.9		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	5.97	99.5	6.00	14.1		
Total BTEX	<0.300	0.300	05/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	198	99.1	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	193	96.6	200	0.488	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Ensolum, LLC</u>				BILL TO				ANALYSIS REQUEST															
Project Manager: <u>Hadlie Green</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>BTEX</div> <div>TPH</div> <div>Chlorides</div> </div>															
Address: <u>8122 Nat'l Parks Hwy</u>				Company: <u>BTA OIL</u>																			
City: <u>Courtsbad</u> State: <u>NM</u> Zip: <u>88220</u>				Attn: <u>Kevin Jones</u>																			
Phone #: <u>432-557-8895</u> Fax #:				Address: <u>104 S Perceps St</u>																			
Project #: <u>D302012035</u> Project Owner: <u>BTA</u>				City: <u>Midland</u>																			
Project Name: <u>Harroon East Tank Battery</u>				State: <u>TX</u> Zip: <u>79701</u>																			
Project Location: <u>32.25867 -104.00303</u>				Phone #: <u>432-512-2208</u>																			
Sampler Name: <u>Juliana Falcumata</u>				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING											
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME											
<u>H232261</u>		<u>1 SS01 @ .5'</u>		<u>C</u>		<u>1</u>		<u>X</u>				<u>5/5/23</u> <u>0820</u>		<u>X</u>		<u>X</u>		<u>X</u>					
		<u>2 SS02 @ .5'</u>										<u>0825</u>											
		<u>3 SS03 @ .5'</u>										<u>0830</u>											
		<u>4 SS04 @ .5'</u>										<u>0835</u>											
		<u>5 SS05 @ .5'</u>										<u>0840</u>											
		<u>6 SS06 @ .5'</u>										<u>0845</u>											
		<u>7 SS07 @ .5'</u>										<u>0850</u>											
		<u>8 SS08 @ .5'</u>										<u>0855</u>											
		<u>9 SS09 @ .5'</u>										<u>0900</u>											
		<u>10 SS10 @ .5'</u>										<u>0905</u>											

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Relinquished By: <u>Falcumata</u>		Date: <u>5-8-23</u>	Received By: <u>Spodrigney</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>1427</u>		Time: <u>1427</u>		All Results are emailed. Please provide Email address:		
Relinquished By:		Date:	Received By:		<u>mgreen@ensolum.com</u>	
Time:		Time:		REMARKS:		
				<u>NAPP2202845563</u>		
Delivered By: (Circle One)		Observed Temp. °C <u>0.1</u>	Sample Condition		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>-0.5</u>	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition	
			CHECKED BY: (Initials) <u>SLC</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
					Thermometer ID #113	
					Correction Factor -0.6°C	
					Observed Temp. °C	
					Corrected Temp. °C	

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Ensolum, LLC</u>				BILL TO				ANALYSIS REQUEST											
Project Manager: <u>Hadi Green</u>				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p>Company: <u>BTA OIL</u></p> <p>Attn: <u>Kevin Jones</u></p> <p>Address: <u>101 S Pecos St</u></p> <p>City: <u>Midland</u></p> <p>State: <u>TX</u> Zip: <u>79701</u></p> <p>Phone #: <u>432-312-2203</u></p> <p>Fax #:</p> </div> <div style="width: 50%; text-align: center;"> <p>BTEX</p> <p>TPH</p> <p>Chlorides</p> </div> </div>											
Address: <u>3122 Nat'l Park Hwy</u>				Company:															
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>				Attn: <u>Kevin Jones</u>															
Phone #: <u>432-557-8895</u> Fax #:				Address: <u>101 S Pecos St</u>															
Project #: <u>1302012035</u> Project Owner: <u>BTA</u>				City: <u>Midland</u>															
Project Name: <u>Harroon East Tank Battery</u>				State: <u>TX</u> Zip: <u>79701</u>															
Project Location: <u>32.28367, -104.00303</u>				Phone #: <u>432-312-2203</u>															
Sampler Name: <u>Julianna Falcornator</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	MATRIX	PRESERV.	SAMPLING														
			GROUNDWATER																
			WASTEWATER																
			SOIL																
			OIL																
			SLUDGE																
			OTHER:																
			ACID/BASE:																
			ICE / COOL																
			OTHER:																
					DATE	TIME													
<u>H232261</u>	<u>SS10 @.5'</u>	<u>1</u>			<u>5/5/18</u>	<u>0905</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>(a)</u>									
<u>11</u>	<u>SS11 @.5'</u>																		
<u>12</u>	<u>SS12 @.5'</u>																		
<u>13</u>	<u>SS13 @.5'</u>																		
<u>14</u>	<u>SS14 @.5'</u>																		
<u>15</u>	<u>SS15 @.5'</u>																		
<u>16</u>	<u>SS16 @.5'</u>																		
<u>17</u>	<u>SS17 @.5'</u>																		
<u>18</u>	<u>SS18 @.5'</u>																		
<u>19</u>	<u>SS19 @.5'</u>																		

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Relinquished By: <u>[Signature]</u>	Date: <u>5-8-23</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By: <u>[Signature]</u>	Time: <u>1427</u>	Received By: <u>[Signature]</u>	All Results are emailed. Please provide Email address: <u>hgreen@ensolum.com</u>
Relinquished By: <u>[Signature]</u>	Date:	Received By: <u>[Signature]</u>	REMARKS: <u>NAPP 2207845563</u>
Relinquished By: <u>[Signature]</u>	Time:	Received By: <u>[Signature]</u>	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	Thermometer ID #113
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact	Correction Factor -0.6°C
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Bacteria (only) Sample Condition
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cool Intact Observed Temp. °C
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Corrected Temp. °C

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

May 17, 2023

HADLIE GREEN

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HARROUN EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/15/23 14:25.

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:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 05/15/2023
Reported: 05/17/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA - (32.28367-104.00303)

Sampling Date: 05/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH 01 @ 0.5' (H232413-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/16/2023	ND	2.24	112	2.00	3.38		
Toluene*	<0.050	0.050	05/16/2023	ND	2.22	111	2.00	3.57		
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.15	108	2.00	4.92		
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.55	109	6.00	4.04		
Total BTX	<0.300	0.300	05/16/2023	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	32.0	16.0	05/16/2023	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	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 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

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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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

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

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

June 07, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: HARROUN EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/26/23 12:05.

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/ga/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705Project: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Manager: HADLIE GREEN
Fax To:Reported:
07-Jun-23 17:23

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH 05 1'	H232708-01	Soil	22-May-23 09:30	26-May-23 12:05
BH 05 A 3'	H232708-02	Soil	22-May-23 09:40	26-May-23 12:05
SS 08 A 1'	H232708-03	Soil	22-May-23 09:45	26-May-23 12:05
SS 09 A 4'	H232708-04	Soil	22-May-23 09:50	26-May-23 12:05
SS 09 B 5'	H232708-05	Soil	22-May-23 09:55	26-May-23 12:05

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Manager: HADLIE GREEN
Fax To:

Reported:
07-Jun-23 17:23

BH 05 1'
H232708-01 (Soil)

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

Chloride	208		16.0	mg/kg	4	3053007	GM	30-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052637	JH/	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052637	JH/	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052637	JH/	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052637	JH/	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052637	JH/	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134 3052637 JH/ 27-May-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3053004	MS	30-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3053004	MS	30-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3053004	MS	30-May-23	8015B	

Surrogate: 1-Chlorooctane 88.1 % 48.2-134 3053004 MS 30-May-23 8015B

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148 3053004 MS 30-May-23 8015B

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Manager: HADLIE GREEN
Fax To:

Reported:
07-Jun-23 17:23

BH 05 A 3'
H232708-02 (Soil)

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

Chloride	80.0		16.0	mg/kg	4	3053007	GM	30-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052637	JH/	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052637	JH/	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052637	JH/	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052637	JH/	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052637	JH/	27-May-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3052637	JH/	27-May-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3053004	MS	30-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3053004	MS	30-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3053004	MS	30-May-23	8015B	
Surrogate: 1-Chlorooctane			95.9 %	48.2-134		3053004	MS	30-May-23	8015B	
Surrogate: 1-Chlorooctadecane			102 %	49.1-148		3053004	MS	30-May-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Manager: HADLIE GREEN
Fax To:

Reported:
07-Jun-23 17:23

SS 08 A 1'
H232708-03 (Soil)

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

Chloride	32.0		16.0	mg/kg	4	3053007	GM	30-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052637	JH/	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052637	JH/	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052637	JH/	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052637	JH/	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052637	JH/	27-May-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3052637	JH/	27-May-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3053004	MS	30-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3053004	MS	30-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3053004	MS	30-May-23	8015B	
Surrogate: 1-Chlorooctane			100 %	48.2-134		3053004	MS	30-May-23	8015B	
Surrogate: 1-Chlorooctadecane			107 %	49.1-148		3053004	MS	30-May-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Manager: HADLIE GREEN
Fax To:

Reported:
07-Jun-23 17:23

SS 09 A 4'
H232708-04 (Soil)

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

Chloride	1150		16.0	mg/kg	4	3053007	GM	30-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3053011	MS	30-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3053011	MS	30-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3053011	MS	30-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3053011	MS	30-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3053011	MS	30-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %		71.5-134	3053011	MS	30-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3053004	MS	30-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3053004	MS	30-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3053004	MS	30-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.5 %		48.2-134	3053004	MS	30-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			100 %		49.1-148	3053004	MS	30-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Manager: HADLIE GREEN
Fax To:

Reported:
07-Jun-23 17:23

SS 09 B 5'
H232708-05 (Soil)

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

Chloride	1730		16.0	mg/kg	4	3053007	GM	30-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3053011	MS	30-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3053011	MS	30-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3053011	MS	30-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3053011	MS	30-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3053011	MS	30-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %		71.5-134	3053011	MS	30-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3053005	MS	30-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3053005	MS	30-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3053005	MS	30-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.2 %		48.2-134	3053005	MS	30-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.6 %		49.1-148	3053005	MS	30-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Manager: HADLIE GREEN
Fax To:

Reported:
07-Jun-23 17:23

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3053007 - 1:4 DI Water									
Blank (3053007-BLK1)				Prepared & Analyzed: 30-May-23					
Chloride	ND	16.0	mg/kg						
LCS (3053007-BS1)				Prepared & Analyzed: 30-May-23					
Chloride	416	16.0	mg/kg	400		104	80-120		
LCS Dup (3053007-BSD1)				Prepared & Analyzed: 30-May-23					
Chloride	448	16.0	mg/kg	400		112	80-120	7.41	20

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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Manager: HADLIE GREEN
Fax To:

Reported:
07-Jun-23 17:23

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3052637 - Volatiles**Blank (3052637-BLK1)**

Prepared & Analyzed: 26-May-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0522		mg/kg	0.0500		104	71.5-134			

LCS (3052637-BS1)

Prepared & Analyzed: 26-May-23

Benzene	2.01	0.050	mg/kg	2.00		101	81.4-118			
Toluene	2.06	0.050	mg/kg	2.00		103	88.7-121			
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	86.1-120			
m,p-Xylene	4.26	0.100	mg/kg	4.00		106	88.2-124			
o-Xylene	2.04	0.050	mg/kg	2.00		102	84.9-118			
Total Xylenes	6.30	0.150	mg/kg	6.00		105	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0521		mg/kg	0.0500		104	71.5-134			

LCS Dup (3052637-BSD1)

Prepared & Analyzed: 26-May-23

Benzene	2.01	0.050	mg/kg	2.00		101	81.4-118	0.179	15.8	
Toluene	2.07	0.050	mg/kg	2.00		104	88.7-121	0.733	15.9	
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	86.1-120	0.0765	16	
m,p-Xylene	4.22	0.100	mg/kg	4.00		106	88.2-124	0.851	16.2	
o-Xylene	2.00	0.050	mg/kg	2.00		100	84.9-118	1.94	16.7	
Total Xylenes	6.23	0.150	mg/kg	6.00		104	87.3-122	1.20	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0526		mg/kg	0.0500		105	71.5-134			

Batch 3053011 - Volatiles**Blank (3053011-BLK1)**

Prepared & Analyzed: 30-May-23

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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Manager: HADLIE GREEN
Fax To:

Reported:
07-Jun-23 17:23

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3053011 - Volatiles**Blank (3053011-BLK1)**

Prepared & Analyzed: 30-May-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0532		mg/kg	0.0500		106	71.5-134			

LCS (3053011-BS1)

Prepared & Analyzed: 30-May-23

Benzene	2.19	0.050	mg/kg	2.00		110	81.4-118			
Toluene	2.17	0.050	mg/kg	2.00		109	88.7-121			
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	86.1-120			
m,p-Xylene	4.30	0.100	mg/kg	4.00		107	88.2-124			
o-Xylene	2.04	0.050	mg/kg	2.00		102	84.9-118			
Total Xylenes	6.34	0.150	mg/kg	6.00		106	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.1	71.5-134			

LCS Dup (3053011-BSD1)

Prepared & Analyzed: 30-May-23

Benzene	2.19	0.050	mg/kg	2.00		109	81.4-118	0.180	15.8	
Toluene	2.16	0.050	mg/kg	2.00		108	88.7-121	0.514	15.9	
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	86.1-120	0.102	16	
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	88.2-124	0.332	16.2	
o-Xylene	2.04	0.050	mg/kg	2.00		102	84.9-118	0.113	16.7	
Total Xylenes	6.35	0.150	mg/kg	6.00		106	87.3-122	0.262	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.7	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Manager: HADLIE GREEN
Fax To:

Reported:
07-Jun-23 17:23

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3053004 - General Prep - Organics**Blank (3053004-BLK1)**

Prepared: 30-May-23 Analyzed: 31-May-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	47.6		mg/kg	49.6		96.1	48.2-134		
Surrogate: 1-Chlorooctadecane	55.0		mg/kg	50.0		110	49.1-148		

LCS (3053004-BS1)

Prepared & Analyzed: 30-May-23

GRO C6-C10	199	10.0	mg/kg	200		99.5	78.5-124		
DRO >C10-C28	181	10.0	mg/kg	200		90.6	72.5-126		
Total TPH C6-C28	380	10.0	mg/kg	400		95.1	77.6-123		
Surrogate: 1-Chlorooctane	60.8		mg/kg	49.6		123	48.2-134		
Surrogate: 1-Chlorooctadecane	71.4		mg/kg	50.0		143	49.1-148		

LCS Dup (3053004-BS1)

Prepared: 30-May-23 Analyzed: 31-May-23

GRO C6-C10	192	10.0	mg/kg	200		96.2	78.5-124	3.39	17.7	
DRO >C10-C28	145	10.0	mg/kg	200		72.6	72.5-126	22.0	21	QR-04
Total TPH C6-C28	338	10.0	mg/kg	400		84.4	77.6-123	11.9	18.5	
Surrogate: 1-Chlorooctane	47.2		mg/kg	49.6		95.3	48.2-134			
Surrogate: 1-Chlorooctadecane	49.6		mg/kg	50.0		99.1	49.1-148			

Batch 3053005 - General Prep - Organics**Blank (3053005-BLK1)**

Prepared: 30-May-23 Analyzed: 31-May-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.9		mg/kg	49.6		96.7	48.2-134			
Surrogate: 1-Chlorooctadecane	48.2		mg/kg	50.0		96.4	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Manager: HADLIE GREEN
Fax To:

Reported:
07-Jun-23 17:23

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3053005 - General Prep - Organics**LCS (3053005-BS1)**

Prepared & Analyzed: 30-May-23

GRO C6-C10	208	10.0	mg/kg	200		104	78.5-124			
DRO >C10-C28	191	10.0	mg/kg	200		95.4	72.5-126			
Total TPH C6-C28	399	10.0	mg/kg	400		99.8	77.6-123			
Surrogate: 1-Chlorooctane	60.8		mg/kg	49.6		123	48.2-134			
Surrogate: 1-Chlorooctadecane	56.9		mg/kg	50.0		114	49.1-148			

LCS Dup (3053005-BSD1)

Prepared: 30-May-23 Analyzed: 31-May-23

GRO C6-C10	194	10.0	mg/kg	200		97.2	78.5-124	6.96	17.7	
DRO >C10-C28	175	10.0	mg/kg	200		87.4	72.5-126	8.73	21	
Total TPH C6-C28	369	10.0	mg/kg	400		92.3	77.6-123	7.80	18.5	
Surrogate: 1-Chlorooctane	45.7		mg/kg	49.6		92.3	48.2-134			
Surrogate: 1-Chlorooctadecane	42.8		mg/kg	50.0		85.6	49.1-148			

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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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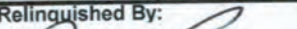





101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: 5/26/23	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #:
		Time: 0720		All Results are emailed. Please provide Email address: B.Jennings@ensolum.com hgreen@ensolum.com
Relinquished By: 		Date: 5-26-23	Received By: 	REMARKS:
		Time: 1205		
Delivered By: (Circle One)	Observed Temp. °C 6.4	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>	CHECKED BY: (Initials) J.O.	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C 5.8	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID #113 Correction Factor -0.5°C
				Bacteria (only) Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C

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



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

June 01, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: HARROUN EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/26/23 12:05.

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:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/26/2023
 Reported: 06/01/2023
 Project Name: HARROUN EAST TANK BATTERY
 Project Number: 03C2012035
 Project Location: BTA 32.28367,-104.00303

Sampling Date: 05/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 01 1' (H232709-01)

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	05/30/2023	ND	2.19	110	2.00	0.180	
Toluene*	<0.050	0.050	05/30/2023	ND	2.17	109	2.00	0.514	
Ethylbenzene*	<0.050	0.050	05/30/2023	ND	2.10	105	2.00	0.102	
Total Xylenes*	<0.150	0.150	05/30/2023	ND	6.34	106	6.00	0.262	
Total BTX	<0.300	0.300	05/30/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8560	16.0	05/30/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2023	ND	208	104	200	6.96	
DRO >C10-C28*	<10.0	10.0	05/30/2023	ND	191	95.4	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	05/30/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/26/2023
 Reported: 06/01/2023
 Project Name: HARROUN EAST TANK BATTERY
 Project Number: 03C2012035
 Project Location: BTA 32.28367,-104.00303

Sampling Date: 05/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 01A 4' (H232709-02)

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	05/30/2023	ND	2.19	110	2.00	0.180		
Toluene*	<0.050	0.050	05/30/2023	ND	2.17	109	2.00	0.514		
Ethylbenzene*	<0.050	0.050	05/30/2023	ND	2.10	105	2.00	0.102		
Total Xylenes*	<0.150	0.150	05/30/2023	ND	6.34	106	6.00	0.262		
Total BTEX	<0.300	0.300	05/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8240	16.0	05/30/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2023	ND	208	104	200	6.96	
DRO >C10-C28*	<10.0	10.0	05/30/2023	ND	191	95.4	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	05/30/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/26/2023
 Reported: 06/01/2023
 Project Name: HARROUN EAST TANK BATTERY
 Project Number: 03C2012035
 Project Location: BTA 32.28367,-104.00303

Sampling Date: 05/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 02 2' (H232709-03)

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	05/30/2023	ND	2.19	110	2.00	0.180		
Toluene*	<0.050	0.050	05/30/2023	ND	2.17	109	2.00	0.514		
Ethylbenzene*	<0.050	0.050	05/30/2023	ND	2.10	105	2.00	0.102		
Total Xylenes*	<0.150	0.150	05/30/2023	ND	6.34	106	6.00	0.262		
Total BTEX	<0.300	0.300	05/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13200	16.0	05/30/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2023	ND	208	104	200	6.96	
DRO >C10-C28*	<10.0	10.0	05/30/2023	ND	191	95.4	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	05/30/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/26/2023
 Reported: 06/01/2023
 Project Name: HARROUN EAST TANK BATTERY
 Project Number: 03C2012035
 Project Location: BTA 32.28367,-104.00303

Sampling Date: 05/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 02 A 4' (H232709-04)

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	05/30/2023	ND	2.19	110	2.00	0.180		
Toluene*	<0.050	0.050	05/30/2023	ND	2.17	109	2.00	0.514		
Ethylbenzene*	<0.050	0.050	05/30/2023	ND	2.10	105	2.00	0.102		
Total Xylenes*	<0.150	0.150	05/30/2023	ND	6.34	106	6.00	0.262		
Total BTEX	<0.300	0.300	05/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8240	16.0	05/30/2023	ND	432	108	400	3.77	QM-07	

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	05/30/2023	ND	208	104	200	6.96	
DRO >C10-C28*	<10.0	10.0	05/30/2023	ND	191	95.4	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	05/30/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/26/2023
 Reported: 06/01/2023
 Project Name: HARROUN EAST TANK BATTERY
 Project Number: 03C2012035
 Project Location: BTA 32.28367,-104.00303

Sampling Date: 05/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 03 1' (H232709-05)

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	05/30/2023	ND	2.19	110	2.00	0.180		
Toluene*	<0.050	0.050	05/30/2023	ND	2.17	109	2.00	0.514		
Ethylbenzene*	<0.050	0.050	05/30/2023	ND	2.10	105	2.00	0.102		
Total Xylenes*	<0.150	0.150	05/30/2023	ND	6.34	106	6.00	0.262		
Total BTEx	<0.300	0.300	05/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	05/30/2023	ND	432	108	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	05/30/2023	ND	208	104	200	6.96	
DRO >C10-C28*	<10.0	10.0	05/30/2023	ND	191	95.4	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	05/30/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/26/2023
 Reported: 06/01/2023
 Project Name: HARROUN EAST TANK BATTERY
 Project Number: 03C2012035
 Project Location: BTA 32.28367,-104.00303

Sampling Date: 05/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 04 1' (H232709-06)

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	05/30/2023	ND	2.19	110	2.00	0.180		
Toluene*	<0.050	0.050	05/30/2023	ND	2.17	109	2.00	0.514		
Ethylbenzene*	<0.050	0.050	05/30/2023	ND	2.10	105	2.00	0.102		
Total Xylenes*	<0.150	0.150	05/30/2023	ND	6.34	106	6.00	0.262		
Total BTEX	<0.300	0.300	05/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	05/30/2023	ND	432	108	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	05/30/2023	ND	208	104	200	6.96	
DRO >C10-C28*	<10.0	10.0	05/30/2023	ND	191	95.4	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	05/30/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/26/2023
 Reported: 06/01/2023
 Project Name: HARROUN EAST TANK BATTERY
 Project Number: 03C2012035
 Project Location: BTA 32.28367,-104.00303

Sampling Date: 05/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 04 A 2' (H232709-07)

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	05/30/2023	ND	2.19	110	2.00	0.180		
Toluene*	<0.050	0.050	05/30/2023	ND	2.17	109	2.00	0.514		
Ethylbenzene*	<0.050	0.050	05/30/2023	ND	2.10	105	2.00	0.102		
Total Xylenes*	<0.150	0.150	05/30/2023	ND	6.34	106	6.00	0.262		
Total BTEX	<0.300	0.300	05/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1740	16.0	05/30/2023	ND	432	108	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	05/30/2023	ND	208	104	200	6.96	
DRO >C10-C28*	<10.0	10.0	05/30/2023	ND	191	95.4	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	05/30/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

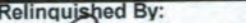







101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: 5/26/23	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
		Time: 0720		All Results are emailed. Please provide Email address:
				BJennings@ensolum.com hgreen@ensolum.com
Relinquished By: 		Date: 5-26-23	Received By: 	REMARKS:
		Time: 1205		
Delivered By: (Circle One)	Observed Temp. °C 6.4	Sample Condition Cool Intact	CHECKED BY: (Initials) 	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C 5.8	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
				Thermometer ID #113 Correction Factor -0.5°C 
				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

FORM-000 R 3.2 10/07/21

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



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

October 04, 2023

WES WEICHERT

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: HARROUN EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/28/23 14:43.

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:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SS 20 1' (H235312-01)

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	09/30/2023	ND	1.82	91.1	2.00	4.73	
Toluene*	<0.050	0.050	09/30/2023	ND	1.83	91.3	2.00	5.28	
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.91	95.6	2.00	4.43	
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.70	95.0	6.00	4.03	
Total BTEX	<0.300	0.300	09/30/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7330	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 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:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SS 20A 6' (H235312-02)

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	09/30/2023	ND	1.82	91.1	2.00	4.73		
Toluene*	<0.050	0.050	09/30/2023	ND	1.83	91.3	2.00	5.28		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.91	95.6	2.00	4.43		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.70	95.0	6.00	4.03		
Total BTEX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	7730	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SS 21 1' (H235312-03)

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	09/30/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	09/30/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	3680	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SS 21A 10' (H235312-04)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	09/30/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	3920	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SS 22 1' (H235312-05)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	09/30/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 67.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SS 22A 2' (H235312-06)

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	09/30/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	09/30/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SS 23 1' (H235312-07)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	09/30/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	2800	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 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:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SS 23A 4' (H235312-08)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	09/30/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	832	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/28/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 06 2' (H235312-09)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	09/30/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20400	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 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:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/28/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 06A 3' (H235312-10)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	09/30/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20800	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 07 2' (H235312-11)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	09/30/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	208	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.3 % 49.1-148

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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 07A 3' (H235312-12)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	09/30/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.98	99.7	6.00	0.0866		
Total BTX	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 08 1' (H235312-13)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	09/30/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	174	87.1	200	3.53	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	177	88.5	200	0.893	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 08A 2' (H235312-14)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	09/30/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	216	108	200	11.8	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	235	118	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 71.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/28/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 09 4' (H235312-15)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	10/01/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	10/01/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	216	108	200	11.8	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	235	118	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/28/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 09A 10' (H235312-16)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	10/01/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	10/01/2023	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	8400	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	216	108	200	11.8	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	235	118	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/28/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 10 9' (H235312-17)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	10/01/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	10/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	9200	16.0	09/29/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	216	108	200	11.8	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	235	118	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/28/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 10A 10' (H235312-18)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	10/01/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	10/01/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	09/29/2023	ND	432	108	400	3.64	QM-07	

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	09/29/2023	ND	216	108	200	11.8	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	235	118	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/28/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 11 1' (H235312-19)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	1.95	97.6	2.00	0.664		
Toluene*	<0.050	0.050	10/01/2023	ND	1.94	97.0	2.00	0.0458		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.03	101	2.00	0.182		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.98	99.7	6.00	0.0866		
Total BTEX	<0.300	0.300	10/01/2023	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	20800	16.0	09/29/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	216	108	200	11.8	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	235	118	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
WES WEICHERT
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 09/28/2023
Reported: 10/04/2023
Project Name: HARROUN EAST TANK BATTERY
Project Number: 03C2012035
Project Location: BTA (32.28367-104.00303)

Sampling Date: 09/28/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 11A 4' (H235312-20)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	1.95	97.6	2.00	0.664	
Toluene*	<0.050	0.050	10/01/2023	ND	1.94	97.0	2.00	0.0458	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.03	101	2.00	0.182	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.98	99.7	6.00	0.0866	
Total BTEX	<0.300	0.300	10/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	09/29/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	216	108	200	11.8	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	235	118	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST											
Project Manager: Wes Weichert				P.O. #:															
Address: 3122 Nat'l Parks Hwy				Company: BTA Oil															
City: Carlsbad State: NM Zip: 88220				Attn: Kelton Beaird															
Phone #: 816-266-8732 Fax #:				Address: 104 S Pecos St															
Project #: 03C2012035 Project Owner:				City: Midland															
Project Name: Harroun East Tank Battery				State: TX Zip: 79701															
Project Location: 32.28367, -104.00303				Phone #:															
Sampler Name: Meredith Roberts				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)JUMP	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		TPH	BTX	Chlorides			
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER				DATE	TIME	
H235312																			
1	SS20	1'	G	1			X				X			9/27/23	1350	X			
2	SS20A	6'													1415	X			
3	SS21	1'													1030				
4	SS21A	10'													1115				
5	SS22	1'													1315				
6	SS22A	2'													1320				
7	SS23	1'													1010				
8	SS23A	4'													1025				
9	BH06	2'												9/28/23	0905				
10	BH06A	3'													0910				

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Relinquished By: <i>Meark</i>	Date: 9/28/23	Received By: <i>D. H. Green</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address: wweichert@ensolum.com mroberts@ensolum.com hgreen@ensolum.com
Time:	Time:	REMARKS:	Incident #: NAPP2202845563
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.12 Corrected Temp. °C	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #140 Correction Factor -0.5°C
		CHECKED BY: (Initials) <i>DA</i>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

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



Pg 2 of 2

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

February 17, 2025

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: HARROUN EAST

Enclosed are the results of analyses for samples received by the laboratory on 02/11/25 15:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received: 02/11/2025
 Reported: 02/17/2025
 Project Name: HARROUN EAST
 Project Number: 212C-MD-03775
 Project Location: BTA - EDDY COUNTY

Sampling Date: 02/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG - 1 (0-1') (H250839-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	02/12/2025	ND	416	104	400	0.00	

Sample ID: BG - 1 (1-2') (H250839-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21600	16.0	02/12/2025	ND	416	104	400	0.00	

Sample ID: BG - 1 (2-3') (H250839-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	02/12/2025	ND	416	104	400	0.00	

Sample ID: BG - 1 (3-4') (H250839-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	02/12/2025	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received: 02/11/2025
 Reported: 02/17/2025
 Project Name: HARROUN EAST
 Project Number: 212C-MD-03775
 Project Location: BTA - EDDY COUNTY

Sampling Date: 02/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG - 1 (4-5') (H250839-05)

Chloride, SM4500Cl-B		mg / kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	02/12/2025	ND	416	104	400	0.00		

Sample ID: BG - 1 (5-6') (H250839-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	41600	16.0	02/12/2025	ND	416	104	400	0.00		

Sample ID: BG - 2 (0-1') (H250839-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	02/12/2025	ND	416	104	400	0.00	

Sample ID: BG - 2 (1-2') (H250839-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4560	16.0	02/12/2025	ND	416	104	400	0.00		

Sample ID: BG - 2 (2-3') (H250839-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	02/12/2025	ND	432	108	400	3.64	QM-07

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received: 02/11/2025
 Reported: 02/17/2025
 Project Name: HARROUN EAST
 Project Number: 212C-MD-03775
 Project Location: BTA - EDDY COUNTY

Sampling Date: 02/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG - 2 (3-4') (H250839-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	02/12/2025	ND	432	108	400	3.64	

Sample ID: BG - 2 (4-5') (H250839-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10400	16.0	02/12/2025	ND	432	108	400	3.64		

Sample ID: BG - 2 (5-6') (H250839-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18200	16.0	02/12/2025	ND	432	108	400	3.64		

Sample ID: BG - 3 (0-1') (H250839-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	31200	16.0	02/12/2025	ND	432	108	400	3.64	

Sample ID: BG - 3 (1-2') (H250839-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	59200	16.0	02/12/2025	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received: 02/11/2025
 Reported: 02/17/2025
 Project Name: HARROUN EAST
 Project Number: 212C-MD-03775
 Project Location: BTA - EDDY COUNTY

Sampling Date: 02/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG - 3 (2-3') (H250839-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	02/12/2025	ND	432	108	400	3.64	

Sample ID: BG - 3 (3-4') (H250839-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	02/12/2025	ND	432	108	400	3.64	

Sample ID: BG - 3 (4-5') (H250839-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	02/12/2025	ND	432	108	400	3.64	

Sample ID: BG - 3 (5-6') (H250839-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	02/12/2025	ND	432	108	400	3.64	

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

Page 1 of 8



Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Page 7 of 8

Client Name: BTA	Site Manager: Christian Lull
Project Name: HARRON EAST	Contact Info: christian.lull@tetra-tech.com
Project Location: (county, state) Early County	Project #: 212 L-MD-05775
Invoice to: BTA Ray Ramos	
Receiving Laboratory: Cardinal Lab	Sampler Signature: <i>[Signature]</i>
Comments:	

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C & GRO - L)	TPH 8015M (GRO - L)	PAH 8270C	Total Metals Ag As Ba	TCLP Metals Ag As Ba	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 6	GC/MS Semi. Vol. 827	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 9500 4500	Chloride Sulfate	General Water Chemi	Anion/Cation Balance	Asbestos	Hold		
		YEAR:		WATER	SOIL	HCL	HNO ₃	ICE																								
		DATE	TIME																													
1	BG-1 (0-1')	2-4-25	9:30		X			X		1																						
2	BG-1 (1-2')		9:40					X		1																						
3	BG-1 (2-3')		9:50																													
4	BG-1 (3-4')		10:00																													
5	BG-1 (4-5')		10:10																													
6	BG-1 (5-6')		10:20																													
7	BG-2 (0-1')		10:30																													
8	BG-2 (1-2')		10:40																													
9	BG-2 (2-3')		11:05																													
10	BG-2 (3-4')		11:15																													

Relinquished by: <i>[Signature]</i>	Date: 2-11-25	Time:	Received by: <i>[Signature]</i>	Date: 2-11-25	Time: 1538
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

REMARKS:

Standard TAT

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

Sample Temperature

2.4°C + 0.3°C

2.7°C

#140

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: <i>BTA</i>	Site Manager: <i>Christian Cluit</i>
Project Name: <i>Harroun EAST</i>	Contact Info: <i>Christian Cluit @ btacontractors.com</i>
Project Location: (county, state) <i>Eddy County</i>	Project #: <i>21220 AD- 03775</i>
Invoice to: <i>BTA Ray Ramos</i>	
Receiving Laboratory: <i>Cardinal Lab</i>	Sampler Signature: <i>Gilbert Sanchez</i>
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

	BTEX	8021B	
	TPH	TX1005 (Ext to C35)	
	TPH	8015M (GRO - DRO - ORO)	
	PAH	8270C	
	Total Metals	Ag As Ba Cd Cr Pb Se Hg	
	TCLP Metals	Ag As Ba Cd Cr Pb Se Hg	
	TCLP Volatiles		
	TCLP Semi Volatiles		
	RCI		
	GC/MS Vol.	8260B / 624	
	GC/MS Semi. Vol.	8270C/625	
	PCB's	8082 / 608	
	NORM		
	PLM (Asbestos)		
	Chloride	Sulfate TDS	
	General Water Chemistry	(see attached list)	
	Anion/Cation Balance		
	Asbestos		
	Hold		

[illegible]

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Gilberto Sanchez	2-11-25		Stodrigney	2-11-25	1538
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE
ONLY

REMARKS:

Standard TAT

☐ **RUSH:** Same Day 24 hr 48 hr 72 hr☐ Rush Charges Authorized☐ Special Report Limits or TRRP Report

Sample Temperature

$$\begin{array}{r} 2.44 \\ \times 0.30 \\ \hline 2.72 \end{array}$$

(Circle)	HAND DELIVERED	FEDEX	UPS	Tracking #:
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ORIGINAL COPY



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

April 17, 2025

SAMANTHA ALLEN

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: HARROUN RANCH EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/14/25 15:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	04/14/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Tamara Oldaker
Project Location:	BTA - EDDY COUNTY		

Sample ID: BG - 4 (0'-1') (H252212-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	04/15/2025	ND	416	104	400	0.00	

Sample ID: BG - 4 (1'-2') (H252212-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	04/15/2025	ND	416	104	400	0.00	

Sample ID: BG - 4 (2'-3') (H252212-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	04/15/2025	ND	416	104	400	0.00	

Sample ID: BG - 4 (3'-4') (H252212-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	04/15/2025	ND	416	104	400	0.00	

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	04/14/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Tamara Oldaker
Project Location:	BTA - EDDY COUNTY		

Sample ID: BG - 5 (0-1') (H252212-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	04/15/2025	ND	416	104	400	0.00	

Sample ID: BG - 5 (1'-2') (H252212-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	04/15/2025	ND	416	104	400	0.00	

Sample ID: BG - 5 (2'-3') (H252212-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	04/15/2025	ND	416	104	400	0.00	

Sample ID: BG - 5 (3'-4') (H252212-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	04/15/2025	ND	416	104	400	0.00	

Sample ID: BG - 6 (0-1') (H252212-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/15/2025	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	04/14/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Tamara Oldaker
Project Location:	BTA - EDDY COUNTY		

Sample ID: BG - 6 (1'-2') (H252212-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/15/2025	ND	416	104	400	0.00		

Sample ID: BG - 6 (2'-3') (H252212-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/15/2025	ND	416	104	400	0.00		

Sample ID: BG - 6 (3'-4') (H252212-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/15/2025	ND	416	104	400	0.00	

Sample ID: BG - 7 (0-1') (H252212-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/15/2025	ND	416	104	400	0.00		

Sample ID: BG - 7 (1'-2') (H252212-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/15/2025	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	04/14/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Tamara Oldaker
Project Location:	BTA - EDDY COUNTY		

Sample ID: BG - 7 (2'-3') (H252212-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/15/2025	ND	416	104	400	0.00		

Sample ID: BG - 7 (3'-4') (H252212-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/15/2025	ND	416	104	400	0.00	

Sample ID: BG - 8 (0-1') (H252212-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	04/15/2025	ND	432	108	400	3.77		

Sample ID: BG - 8 (1'-2') (H252212-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	04/15/2025	ND	432	108	400	3.77		

Sample ID: BG - 8 (2'-3') (H252212-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	04/15/2025	ND	432	108	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	04/14/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Tamara Oldaker
Project Location:	BTA - EDDY COUNTY		

Sample ID: BG - 8 (3'-4') (H252212-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/15/2025	ND	432	108	400	3.77		

Sample ID: BG - 9 (0-1') (H252212-21)

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	04/15/2025	ND	432	108	400	3.77		

Sample ID: BG - 9 (1'-2') (H252212-22)

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	04/15/2025	ND	432	108	400	3.77		

Sample ID: BG - 9 (2'-3') (H252212-23)

Chloride, SM4500Cl-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	04/15/2025	ND	432	108	400	3.77		

Sample ID: BG - 9 (3'-4') (H252212-24)

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	04/15/2025	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	04/14/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Tamara Oldaker
Project Location:	BTA - EDDY COUNTY		

Sample ID: BG - 10 (0'-1') (H252212-25)

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	04/15/2025	ND	432	108	400	3.77		

Sample ID: BG - 10 (1'-2') (H252212-26)

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	04/15/2025	ND	432	108	400	3.77		

Sample ID: BG - 10 (2'-3') (H252212-27)

Chloride, SM4500Cl-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	04/15/2025	ND	432	108	400	3.77		

Sample ID: BG - 10 (3'-4') (H252212-28)

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	04/15/2025	ND	432	108	400	3.77		

Sample ID: BG - 11 (0'-1') (H252212-29)

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	04/15/2025	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	04/14/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Tamara Oldaker
Project Location:	BTA - EDDY COUNTY		

Sample ID: BG - 11 (1'-2') (H252212-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/15/2025	ND	432	108	400	3.77		

Sample ID: BG - 11 (2'-3') (H252212-31)

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	04/15/2025	ND	432	108	400	3.77		

Sample ID: BG - 11 (3'-4') (H252212-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/15/2025	ND	432	108	400	3.77		

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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

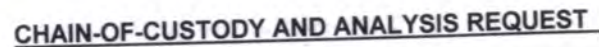
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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FORM-006 R 3.2 10/07/21

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO				ANALYSIS REQUEST																	
Company Name: BTA				P.O. #: INVOICE TO - BTA Incident																	
Project Manager: Samantha Allen				Company: BTA																	
Address:				Attn: Samantha Allen and Ray																	
City: Austin State: Zip:				Address: EMAIL																	
Phone #: (512) 788-2948 Fax #:				City:																	
Project #: 212C-MD-03775 Project Owner: BTA				State: Zip:																	
Project Name: Harroun Ranch East Tank Battery				Phone #:																	
Project Location: Eddy County, New Mexico				Fax #:																	
Sampler Name: William Erlendson																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING													
Lab I.D.		Sample I.D.		GRAB OR (C)OMP. # CONTAINERS		GROUNDWATER WASTEWATER SOIL OIL SLUDGE		OTHER: ACID/BASE ICE / COOL OTHER:													
H252213				G 1		X		X		4/14/2025				X							
21		BG-9 (0-1')		G 1		X		X		4/14/2025				X							
22		BG-9 (1'-2')		G 1		X		X		4/14/2025				X							
23		BG-9 (2'-3')		G 1		X		X		4/14/2025				X							
24		BG-9 (3'-4')		G 1		X		X		4/14/2025				X							
25		BG-10 (0-1')		G 1		X		X		4/14/2025				X							
26		BG-10 (1'-2')		G 1		X		X		4/14/2025				X							
27		BG-10 (2'-3')		G 1		X		X		4/14/2025				X							
28		BG-10 (3'-4')		G 1		X		X		4/14/2025				X							
29		BG-11 (0-1')		G 1		X		X		4/14/2025				X							
30		BG-11 (1'-2')		G 1		X		X		4/14/2025				X							

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Relinquished By: William Erlendson		Date: 4/14/2025	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Time: 532				All Results are emailed. Please provide Email address: Samantha.Allen@tetratech.com and RRAMOS@BTA.COM	
Relinquished By:		Date:	Received By:	REMARKS:	
Time:					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) <i>TO</i>	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush: <input type="checkbox"/> <i>3 day added</i>	Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Observed Temp. °C Thermometer ID #140 Correction Factor +0.3°C
	2.9 3.2				Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

July 17, 2025

SAMANTHA ALLEN

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: HARROUN RANCH EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/16/25 16:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 1 (4') (H254260-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22	
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620	
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516	
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253	
Total BTX	<0.300	0.300	07/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	07/17/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 92.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 2 (4') (H254260-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTEX	<0.300	0.300	07/16/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 3 (4') (H254260-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTEX	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	1150	16.0	07/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.9 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 4 (4') (H254260-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTX	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 5 (4') (H254260-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTEX	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	07/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.6 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 6 (4') (H254260-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22	
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620	
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516	
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253	
Total BTEX	<0.300	0.300	07/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	1140	16.0	07/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 7 (4') (H254260-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTX	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 8 (4') (H254260-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTEX	<0.300	0.300	07/16/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	07/17/2025	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 9 (4') (H254260-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTEX	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/17/2025	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	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 10 (4') (H254260-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTX	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	880	16.0	07/17/2025	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	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 11 (4') (H254260-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTEX	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/17/2025	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	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 12 (4') (H254260-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTX	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/17/2025	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	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 13 (4') (H254260-13)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTX	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/17/2025	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	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 122 % 44.4-145

Surrogate: 1-Chlorooctadecane 127 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 14 (4') (H254260-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTEx	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	144	16.0	07/17/2025	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	07/17/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 15 (4') (H254260-15)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTX	<0.300	0.300	07/16/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	07/17/2025	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	07/17/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 99.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 16 (4') (H254260-16)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22	
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620	
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516	
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253	
Total BTX	<0.300	0.300	07/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	432	16.0	07/17/2025	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	07/16/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 129 % 44.4-145

Surrogate: 1-Chlorooctadecane 138 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 17 (4') (H254260-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTEX	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	07/17/2025	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	07/16/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 122 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 18 (4') (H254260-18)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTX	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	07/17/2025	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	07/16/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 128 % 44.4-145

Surrogate: 1-Chlorooctadecane 137 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 19 (4') (H254260-19)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTX	<0.300	0.300	07/16/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/17/2025	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	07/16/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 133 % 44.4-145

Surrogate: 1-Chlorooctadecane 142 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 20 (4') (H254260-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2025	ND	2.08	104	2.00	1.22		
Toluene*	<0.050	0.050	07/16/2025	ND	2.10	105	2.00	0.620		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.05	103	2.00	0.0516		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.04	101	6.00	0.0253		
Total BTEX	<0.300	0.300	07/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	07/17/2025	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	07/16/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 127 % 44.4-145

Surrogate: 1-Chlorooctadecane 135 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 21 (4') (H254260-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.04		
Toluene*	<0.050	0.050	07/17/2025	ND	2.23	112	2.00	0.0720		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	0.673		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	0.639		
Total BTEx	<0.300	0.300	07/17/2025	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	480	16.0	07/17/2025	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	07/16/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 122 % 44.4-145

Surrogate: 1-Chlorooctadecane 132 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 22 (4') (H254260-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.04		
Toluene*	<0.050	0.050	07/17/2025	ND	2.23	112	2.00	0.0720		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	0.673		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	0.639		
Total BTEx	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/17/2025	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	07/16/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 128 % 44.4-145

Surrogate: 1-Chlorooctadecane 136 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 23 (4') (H254260-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.04		
Toluene*	<0.050	0.050	07/17/2025	ND	2.23	112	2.00	0.0720		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	0.673		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	0.639		
Total BTEx	<0.300	0.300	07/17/2025	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	240	16.0	07/17/2025	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	07/16/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 124 % 44.4-145

Surrogate: 1-Chlorooctadecane 131 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 24 (4') (H254260-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.04		
Toluene*	<0.050	0.050	07/17/2025	ND	2.23	112	2.00	0.0720		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	0.673		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	0.639		
Total BTEx	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	464	16.0	07/17/2025	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	07/16/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 126 % 44.4-145

Surrogate: 1-Chlorooctadecane 136 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 25 (4') (H254260-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.04		
Toluene*	<0.050	0.050	07/17/2025	ND	2.23	112	2.00	0.0720		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	0.673		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	0.639		
Total BTEX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	304	16.0	07/17/2025	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	07/16/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 124 % 44.4-145

Surrogate: 1-Chlorooctadecane 133 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 26 (4') (H254260-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.04		
Toluene*	<0.050	0.050	07/17/2025	ND	2.23	112	2.00	0.0720		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	0.673		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	0.639		
Total BTEx	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/17/2025	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	07/16/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 128 % 44.4-145

Surrogate: 1-Chlorooctadecane 135 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 27 (4') (H254260-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.04		
Toluene*	<0.050	0.050	07/17/2025	ND	2.23	112	2.00	0.0720		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	0.673		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	0.639		
Total BTEx	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/17/2025	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	07/16/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 125 % 44.4-145

Surrogate: 1-Chlorooctadecane 132 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 28 (4') (H254260-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.04		
Toluene*	<0.050	0.050	07/17/2025	ND	2.23	112	2.00	0.0720		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	0.673		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	0.639		
Total BTEx	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	224	16.0	07/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 130 % 44.4-145

Surrogate: 1-Chlorooctadecane 138 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 29 (4') (H254260-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.04		
Toluene*	<0.050	0.050	07/17/2025	ND	2.23	112	2.00	0.0720		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	0.673		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	0.639		
Total BTEx	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	256	16.0	07/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 124 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 8 (5') (H254260-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.04		
Toluene*	<0.050	0.050	07/17/2025	ND	2.23	112	2.00	0.0720		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	0.673		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	0.639		
Total BTEX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	576	16.0	07/17/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	202	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	189	94.6	200	0.703	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 3

Company Name: <u>Tetra Tech - BTA Oil</u>		BILL TO		ANALYSIS REQUEST																					
Project Manager: <u>Samantha Allen</u>		P.O. #:																							
Address:		Company: <u>Tetra Tech</u>																							
City: State: Zip:		Attn: <u>Samantha Allen</u>																							
Phone #: Fax #:		Address:																							
Project #: <u>2120-MD-03775</u> Project Owner:		City:																							
Project Name: <u>Harroon Ranch East Tank Battery</u>		State: Zip:																							
Project Location: <u>Eddy Co NM Incident # 12739</u>		Phone #:																							
Sampler Name: <u>Andrew Garcia</u>		Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:	ICE / COOL	OTHER	DATE	TIME											
<u>H25000</u>	<u>FS-1 (4')</u>	<u>C</u>	<u>1</u>			<u>X</u>				<u>X</u>	<u>✓</u>		<u>7/16</u>	<u>800</u>	<u>BTEX</u>	<u>TPH</u>	<u>Chloride</u>								
<u>1</u>	<u>FS-2 (4')</u>													<u>805</u>											
<u>3</u>	<u>FS-3 (4')</u>													<u>810</u>											
<u>4</u>	<u>FS-4 (4')</u>													<u>815</u>											
<u>5</u>	<u>FS-5 (4')</u>													<u>820</u>											
<u>6</u>	<u>FS-6 (4')</u>													<u>825</u>											
<u>7</u>	<u>FS-7 (4')</u>													<u>830</u>											
<u>8</u>	<u>FS-8 (4')</u>													<u>835</u>											
<u>9</u>	<u>FS-9 (4')</u>													<u>840</u>											
<u>10</u>	<u>FS-10 (4')</u>													<u>845</u>											

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Relinquished By: <u>Andrew Garcia</u>	Date: <u>7/16/25</u>	Received By: <u>apenas</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: <u>1431</u>			All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	<u>Ntinker@BTAoil.com</u>
Time:			REMARKS: <u>Andrew Garcia@tetratech.com</u> <u>Samantha Allen@tetratech.com</u> <u>Christian.Llull@tetratech.com</u>
Delivered By: (Circle One)	Observed Temp. °C <u>4.5</u>	Sample Condition	Turnaround Time: <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>4.8</u>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition
		CHECKED BY: (Initials) <u>PP</u>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
			Observed Temp. °C
			Corrected Temp. °C
			Thermometer ID #140
			Correction Factor +0.3°C
			24 Hr Rush

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 3

Company Name: <u>Tetra Tech - BTA Oil</u>				BILL TO				ANALYSIS REQUEST															
Project Manager: <u>Samantha Allen</u>				P.O. #:																			
Address:				Company: <u>Tetra Tech</u>																			
City: State: Zip:				Attn: <u>Samantha Allen</u>																			
Phone #: Fax #:				Address:																			
Project #: <u>212C-MO-03775</u> Project Owner:				City:																			
Project Name: <u>Harrow Ranch East Tank Battery</u>				State: Zip:																			
Project Location: <u>Eddy Co NM Incident # 12739</u>				Phone #:																			
Sampler Name: <u>Andrew Garcia</u>				Fax #:																			
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	BTEX	TPH	Chloride						
<u>H254200</u>													<u>2025</u>										
<u>11</u>	<u>FS-11 (4')</u>	<u>C</u>	<u>1</u>			<u>X</u>				<u>X</u>	<u>✓</u>		<u>7/16</u>	<u>850</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>12</u>	<u>FS-12 (4')</u>													<u>855</u>									
<u>13</u>	<u>FS-13 (4')</u>													<u>900</u>									
<u>14</u>	<u>FS-14 (4')</u>													<u>905</u>									
<u>15</u>	<u>FS-15 (4')</u>													<u>910</u>									
<u>16</u>	<u>FS-16 (4')</u>													<u>915</u>									
<u>17</u>	<u>FS-17 (4')</u>													<u>920</u>									
<u>18</u>	<u>FS-18 (4')</u>													<u>925</u>									
<u>19</u>	<u>FS-19 (4')</u>													<u>930</u>									
<u>20</u>	<u>FS-20 (4')</u>													<u>935</u>									

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Relinquished By: <u>Andrew Garcia</u>		Date: <u>7/16/25</u>	Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>1031</u>		Time:		All Results are emailed. Please provide Email address:		
Relinquished By:		Date:	Received By:		REMARKS: <u>Andrew Garcia@tetratech.com</u> <u>Samantha Allen@tetratech.com</u> <u>Christian Lluu@tetratech.com</u>	
Time:		Time:				
Delivered By: (Circle One)	Observed Temp. °C <u>45.2</u>	Sample Condition	CHECKED BY: (Initials) <u>[Signature]</u>	Turnaround Time:	Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>4.8</u>	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Thermometer ID #140	24 Hr Rush	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
FORM-000 R 3.0 02/12/25				Correction Factor +0.3°C		Observed Temp. °C
						Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 3

Company Name: Tetra Tech - BTA Oil		BILL TO		ANALYSIS REQUEST																				
Project Manager: Samantha Allen		P.O. #:																						
Address:		Company: Tetra Tech																						
City: State: Zip:		Attn: Samantha Allen																						
Phone #: Fax #:		Address:																						
Project #: 212C-MD-03775 Project Owner:		City:																						
Project Name: Harrow Ranch East Tank Battery		State: Zip:																						
Project Location: Eddy Co, NM Incident # 12739		Phone #:																						
Sampler Name: Andrew Garcia		Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	2025 DATE	TIME	BTEX	TPH	Chloride							
4254200																								
21	FS-21 (4')	C	1			X				X			7/16	940	X	X	X							
22	FS-22 (4')													945										
23	FS-23 (4')													950										
24	FS-24 (4')													955										
25	FS-25 (4')													1000										
26	FS-26 (4')													1005										
27	FS-27 (4')													1010										
28	FS-28 (4')													1015										
29	FS-29 (4')													1020										
30	FS-8 (5')													1025										

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Relinquished By: Andrew Garcia	Date: 7/16/25 Time: 1031	Received By: [Signature]	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	REMARKS: Andrew Garcia@tetratech.com Samantha Allen@tetratech.com Christian Lluu@tetratech.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.5C Corrected Temp. °C 4.8C	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 24 Hr. Rush Thermometer ID #140 Correction Factor +0.3°C
		CHECKED BY: (Initials) [Signature]	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

FORM 006 R 3.0 02/12/23

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July 18, 2025

SAMANTHA ALLEN

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: HARROUN RANCH EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/17/25 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: NSW - 1 (H254307-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	8.45	
Toluene*	<0.050	0.050	07/17/2025	ND	2.02	101	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	9.79	
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.17	103	6.00	9.18	
Total BTX	<0.300	0.300	07/17/2025	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	48.0	16.0	07/18/2025	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: NSW - 2 (H254307-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/17/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/17/2025	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	32.0	16.0	07/18/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: NSW - 3 (H254307-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/17/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/17/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/18/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: NSW - 4 (H254307-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/17/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/17/2025	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	48.0	16.0	07/18/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.9 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: NSW - 5 (H254307-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/17/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/17/2025	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	96.0	16.0	07/18/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: ESW - 1 (H254307-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/17/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	64.0	16.0	07/18/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.5 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: ESW - 2 (H254307-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/17/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/17/2025	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	64.0	16.0	07/18/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.5 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: SSW - 1 (H254307-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/17/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/17/2025	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	64.0	16.0	07/18/2025	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.7 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: WSW - 1 (H254307-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/17/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/17/2025	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	864	16.0	07/18/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.9 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: WSW - 2 (H254307-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/18/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/18/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/18/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	320	16.0	07/18/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 95.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.9 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: WSW - 3 (H254307-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/18/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/18/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/18/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	64.0	16.0	07/18/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: WSW - 4 (H254307-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/18/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/18/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/18/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/18/2025	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	32.0	16.0	07/18/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: WSW - 5 (H254307-13)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/18/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/18/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/18/2025	ND	6.17	103	6.00	9.18		
Total BTX	<0.300	0.300	07/18/2025	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	07/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/18/2025	ND					

Surrogate: 1-Chlorooctane 89.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: WSW - 6 (H254307-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/18/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/18/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/18/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/18/2025	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	<16.0	16.0	07/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/18/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: WSW - 7 (H254307-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/18/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/18/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/18/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/18/2025	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	07/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/18/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.3 % 40.6-153

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 30 (1') (H254307-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/18/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/18/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/18/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/18/2025	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	224	16.0	07/18/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/18/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 31 (4') (H254307-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/18/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/18/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/18/2025	ND	6.17	103	6.00	9.18		
Total BTEX	<0.300	0.300	07/18/2025	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	2290	16.0	07/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/18/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: NSW - 6 (H254307-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/18/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/18/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/18/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1120	16.0	07/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/18/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: ESW - 3 (H254307-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/18/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/18/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/18/2025	ND	6.17	103	6.00	9.18		
Total BTEx	<0.300	0.300	07/18/2025	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	3280	16.0	07/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/18/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: WSW - 8 (H254307-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2025	ND	2.05	103	2.00	8.45		
Toluene*	<0.050	0.050	07/18/2025	ND	2.02	101	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/18/2025	ND	2.04	102	2.00	9.79		
Total Xylenes*	<0.150	0.150	07/18/2025	ND	6.17	103	6.00	9.18		
Total BTEX	<0.300	0.300	07/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	224	16.0	07/18/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2025	ND	219	109	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2025	ND	194	96.9	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	07/18/2025	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/17/2025	Sampling Date:	07/17/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shari Cisneros
Project Location:	BTA - EDDY COUNTY		

Sample ID: SSW - 2 (H254307-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2025	ND	1.94	96.9	2.00	1.08	
Toluene*	<0.050	0.050	07/17/2025	ND	1.99	99.3	2.00	0.701	
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	1.98	98.8	2.00	1.69	
Total Xylenes*	<0.150	0.150	07/17/2025	ND	5.81	96.8	6.00	1.85	
Total BTEX	<0.300	0.300	07/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	464	16.0	07/18/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	200	99.9	200	0.131	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	191	95.5	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 1 of 3

Company Name: <u>Tetra Tech - BTA Oil</u>				BILL TO				ANALYSIS REQUEST															
Project Manager: <u>Samantha Allen</u>				P.O. #:																			
Address:				Company: <u>Tetra Tech</u>																			
City: State: Zip:				Attn: <u>Samantha Allen</u>																			
Phone #: Fax #:				Address:																			
Project #: <u>212C-MO-03775</u> Project Owner:				City:																			
Project Name: <u>Harroon Ranch East Tank Battery</u>				State: Zip:																			
Project Location: <u>Eddy Co, NM, BTA Incident #12739</u>				Phone #:																			
Sampler Name: <u>Andrew Garcia</u>				Fax #:																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	BTEX	TPH	Chlorides						
<u>H254307</u>	<u>NSW-1</u>	<u>C</u>	<u>1</u>			<u>X</u>				<u>X</u>			<u>17 July</u>	<u>800</u>	<u>X</u>	<u>X</u>	<u>X</u>						
	<u>NSW-2</u>													<u>830</u>									
	<u>NSW-3</u>													<u>845</u>									
	<u>NSW-4</u>													<u>900</u>									
	<u>NSW-5</u>													<u>915</u>									
	<u>ESW-1</u>													<u>930</u>									
	<u>ESW-2</u>													<u>945</u>									
	<u>SSW-1</u>													<u>1000</u>									
	<u>WSW-1</u>													<u>1015</u>									
	<u>WSW-2</u>													<u>1030</u>									

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Relinquished By: <u>Andrew Garcia</u>	Date: <u>17 July 25</u>	Received By: <u>Juan Cimeras</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:	
Time: <u>16:50</u>			<u>Ntinker e BTA Oil.com</u>	
Time:			REMARKS: <u>Andrew Garcia @ TetraTech.com</u> <u>Samantha Allen @ TetraTech.com</u> <u>Christian Allen @ TetraTech.com</u>	
Delivered By: (Circle One)	Observed Temp. °C: <u>1.1</u>	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
Sampler: UPS - Bus - Other:	Corrected Temp. °C: <u>1.4</u>	CHECKED BY: (Initials) <u>AC</u>	Thermometer ID #140	Observed Temp. °C
			Correction Factor +0.3°C	Corrected Temp. °C

FORM-006 R 5.0 02/12/25

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 3

Company Name: Tetra Tech - BTA Oil				BILL TO				ANALYSIS REQUEST															
Project Manager: Samantha Allen				P.O. #:																			
Address:				Company: Tetra Tech																			
City: State: Zip:				Attn: Samantha Allen																			
Phone #: Fax #:				Address:																			
Project #: 212C-MD-03775 Project Owner:				City:																			
Project Name: Hargrave Ranch East Tank Battery				State: Zip:																			
Project Location: Eddy Co, NM, BTA Incident #12739				Phone #:																			
Sampler Name: Andrew Garcia				Fax #:																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.	(GRAB OR C/COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	BTEX	TPH	Chlorides						
H254307													2025										
11	WSW-3	C	1			X					X		17 July	1045	X	X	X						
12	WSW-4													1100									
13	WSW-5													1115									
14	WSW-6													1130									
15	WSW-7													1145									
16	FS-30 (1')													1200									
17	FS-31 (4')													1215									
18	NSW-46 6													1236									
19	ESW-43 3													1245									
20	WSW-8													1300									

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Relinquished By:	Date:	Received By:	Verbal Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Andrew Garcia	17 July 25	Shari Cisneros	All Results are emailed. Please provide Email address:		
Relinquished By:	Date:	Received By:	Ntinker@BTAoil.com		
	Time:		REMARKS: Andrew Garcia@TetraTech.com		
	Time:		Samantha Allen@TetraTech.com		
			Christen L. L. @TetraTech.com		
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	Turnaround Time:	Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition
Sampler: UPS - Bus - Other:	Corrected Temp. °C	Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: #140	24HR TAT	Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
		Yes <input type="checkbox"/> No <input type="checkbox"/>	Correction Factor: +0.3°C		Observed Temp. °C
					Corrected Temp. °C

FORM 006-B 3.0 02/12/25

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 3

Company Name: <u>Tetra Tech - BTA Oil</u>				BILL TO				ANALYSIS REQUEST																
Project Manager: <u>Samantha Allen</u>				P.O. #:																				
Address:				Company: <u>Tetra Tech</u>																				
City: State: Zip:				Attn: <u>Samantha Allen</u>																				
Phone #: Fax #:				Address:																				
Project #: <u>212C-MD-03775</u> Project Owner:				City:																				
Project Name: <u>Harcour Ranch East Tank Battery</u>				State: Zip:																				
Project Location: <u>Eddy Co, NM, BTA Incident #12739</u>				Phone #:																				
Sampler Name: <u>Andrew Garcia</u>				Fax #:																				
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME										
<u>H254307</u>	<u>SSW-32</u>	<u>C</u>	<u>1</u>			<u>X</u>					<u>X</u>		<u>17 July</u>	<u>1315</u>	<u>BTEX</u>	<u>TPH</u>	<u>Chlorides</u>							

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Relinquished By: <u>Andrew Garcia</u>		Date: <u>17 July 25</u>	Received By: <u>Shawn Cisneros</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>16:50</u>		Time: <u>16:50</u>		All Results are emailed. Please provide Email address:		
Relinquished By:		Date:	Received By:		REMARKS: <u>Andrew Garcia @ Tetra tech.com</u> <u>Samantha Allen @ Tetra tech.com</u> <u>Christian Lloyd @ Tetra tech.com</u>	
Time:						
Delivered By: (Circle One)	Observed Temp. °C: <u>11</u>	Sample Condition: <u>Intact</u>	CHECKED BY: (Initials) <u>JS</u>		Turnaround Time: <u>24HR TAT</u>	Bacteria (only) Sample Condition: <u>Intact</u>
Sampler: <u>UPS</u> - Bus - Other:	Corrected Temp. °C: <u>1.4</u>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Thermometer ID: #140	Cool Intact Observed Temp. °C: <u>11</u>
		No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>			Correction Factor: <u>+0.3°C</u>	Yes <input type="checkbox"/> No <input type="checkbox"/>

FORM-006 & 5.0 02/12/25

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

July 18, 2025

SAMANTHA ALLEN

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: HARROUN RANCH EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/16/25 16:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 1 (5') (H254263-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	07/18/2025	ND	432	108	400	3.77	

Sample ID: FS - 3 (5') (H254263-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	07/18/2025	ND	432	108	400	3.77	

Sample ID: FS - 5 (5') (H254263-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	07/18/2025	ND	432	108	400	3.77	

Sample ID: FS - 6 (5') (H254263-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	07/18/2025	ND	432	108	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/18/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 10 (5') (H254263-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	07/18/2025	ND	432	108	400	3.77		

Sample ID: FS - 15 (5') (H254263-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/18/2025	ND	432	108	400	3.77	

Sample ID: FS - 20 (5') (H254263-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	07/18/2025	ND	432	108	400	3.77		

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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 cursive script, appearing to read "Celey D. Keene", written in black ink.

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

Page 1 of 3

Company Name: Tetra Tech - BTA Oil				BILL TO				ANALYSIS REQUEST																						
Project Manager: Samantha Allen				P.O. #:				<div style="position: relative; height: 100px;"> Cl same day normal </div>																						
Address:				Company: Tetra Tech																										
City: State: Zip:				Attn: Samantha Allen																										
Phone #: Fax #:				Address:																										
Project #: 212C-MD-03775 Project Owner:				City:																										
Project Name: Harroon Ranch East Tank Battery				State: Zip:																										
Project Location: Eddy Co, NM Incident # 12739				Phone #:																										
Sampler Name: Andrew Garcia				Fax #:																										
FOR LAB USE ONLY																														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING		BTEX	TPH	Chloride	Hold																
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	2025 DATE	TIME																
H05406																														
1	FS-1 (5')	C	1			X					X		7/16	1030	X	X	X	X												
2	FS-2 (5')													1045																
3	FS-3 (5')													1100																
4	FS-4 (5')													1105																
5	FS-5 (5')													1110																
6	FS-6 (5')													1115																
7	FS-7 (5')													1120																
8	FS-9 (5')													1125																
9	FS-10 (5')													1130																
10	FS-11 (5')													1135																

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Relinquished By:	Date:	Received By:	Verbal Result:	Add'l Phone #:
Andrew Garcia	7/16/25	A. Garcia	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:	
			Ntinker@BTAoil.com	
Relinquished By:	Date:	Received By:	REMARKS: Andrew Garcia@tetratech.com	
			Samantha Allen@tetratech.com	
			Christian Llu@tetratech.com	
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact	(Initials)	Standard
		<input type="checkbox"/> Yes <input type="checkbox"/> No	AA	Rush
		<input type="checkbox"/> No <input type="checkbox"/> No		24 Hr Rush
				Bacteria (only) Sample Condition
				Cool Intact
				<input type="checkbox"/> Yes <input type="checkbox"/> No
				Observed Temp. °C
				Corrected Temp. °C

FORM-000 R 3.0 02/12/23

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 3

Company Name: Tetra Tech - BTA Oil				BILL TO				ANALYSIS REQUEST														
Project Manager: Samantha Allen				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL same day</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX & TPH Normal MH</div> </div>														
Address:				Company: Tetra Tech																		
City: State: Zip:				Attn: Samantha Allen																		
Phone #: Fax #:				Address:																		
Project #: 212C-MD-03775 Project Owner:				City:																		
Project Name: Harroun Ranch East Tank Battery				State: Zip:																		
Project Location: Eddy Co NM Incident # 12739				Phone #:																		
Sampler Name: Andrew Garcia				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH	Chloride	Hold				
11	FS-12 (5')	C	1			X					X		7/16	1140	X	X	X	X				
12	FS-13 (5')													1145								
13	FS-14 (5')													1150								
14	FS-15 (5')													1155								
15	FS-16 (5')													1200								
16	FS-17 (5')													1205								
17	FS-18 (5')													1209								
18	FS-19 (5')													1215								
19	FS-20 (5')													1220								
20	FS-21 (5')													1225								

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Relinquished By: Andrew Garcia		Date: 7/16/25	Received By: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date: 7/16/25	Received By:		All Results are emailed. Please provide Email address: Ntinker@BTAoil.com	
Delivered By: (Circle One)		Observed Temp. °C: 45	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		REMARKS: Andrew Garcia@tetratech.com Samantha Allen@tetratech.com Christian.Llull@tetratech.com	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 48	CHECKED BY: (Initials) AD		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 24 Hr Rush	
					Thermometer ID #140 Correction Factor +0.3°C	
					Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
					Observed Temp. °C: Corrected Temp. °C:	

FORM-000 R 5.0 02/12/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 3

Company Name: Tetra Tech - BTA Oil				BILL TO				ANALYSIS REQUEST														
Project Manager: Samantha Allen				P.O. #:																		
Address:				Company: Tetra Tech																		
City: State: Zip:				Attn: Samantha Allen																		
Phone #: Fax #:				Address:																		
Project #: 2120-MD-03775 Project Owner:				City:																		
Project Name: Harroon Ranch East Tank Battery				State: Zip:																		
Project Location: Eddy Co NM Incident # 12739				Phone #:																		
Sampler Name: Andrew Garcia				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	BTEX	TPH	Chloride	Hold				
H85U1263																						
21	FS-22 (5')	C	1			X				X			7/16	1230	X	X	X	X				
22	FS-23 (5')													1235								
23	FS-24 (5')													1240								
24	FS-25 (5')													1245								
25	FS-26 (5')													1250								
26	FS-27 (5')													1255								
27	FS-28 (5')													1300								
28	FS-29 (5')													1310								

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Relinquished By: Andrew Garcia		Date: 7/16/25	Received By: apane		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1431		Time:		All Results are emailed. Please provide Email address:		
Relinquished By:		Date:	Received By:		REMARKS: Andrew Garcia@tetratech.com Samantha Allen@tetratech.com Christian Lluu@tetratech.com	
Time:		Time:		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		
Delivered By: (Circle One)		Observed Temp. °C 45.2	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 48.4	CHECKED BY: (Initials) AP		Thermometer ID #140 Correction Factor +0.3°C	
				24 Hr Rush		

FORM 000-R 5.0 02/12/25

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

July 28, 2025

SAMANTHA ALLEN

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: HARROUN RANCH EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/21/25 16:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS - 1 (6')	H254391-01	Soil	21-Jul-25 08:00	21-Jul-25 16:48
FS - 3 (6')	H254391-02	Soil	21-Jul-25 08:05	21-Jul-25 16:48
FS - 5 (6')	H254391-03	Soil	21-Jul-25 08:15	21-Jul-25 16:48
FS - 6 (6')	H254391-04	Soil	21-Jul-25 08:25	21-Jul-25 16:48
FS - 8 (6')	H254391-05	Soil	21-Jul-25 08:35	21-Jul-25 16:48
FS - 10 (6')	H254391-06	Soil	21-Jul-25 08:45	21-Jul-25 16:48
FS - 31 (6')	H254391-07	Soil	21-Jul-25 08:55	21-Jul-25 16:48
WSW - 1 (2')	H254391-08	Soil	21-Jul-25 09:00	21-Jul-25 16:48
ESW - 3 (2')	H254391-09	Soil	21-Jul-25 09:10	21-Jul-25 16:48

07/28/25 - Client added BTEX and TPH to all samples (see COC). This is the revised report and will replace the one sent on 07/22/25.

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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

FS - 1 (6')
H254391-01 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	960		16.0	mg/kg	4	5072241	KH	22-Jul-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5072319	JH	24-Jul-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.7 %	71.5-134		5072319	JH	24-Jul-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	

Surrogate: 1-Chlorooctane			93.4 %	44.4-145		5072349	MS	24-Jul-25	8015B	
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Surrogate: 1-Chlorooctadecane			91.4 %	40.6-153		5072349	MS	24-Jul-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

FS - 3 (6')
H254391-02 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	800		16.0	mg/kg	4	5072241	KH	22-Jul-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5072319	JH	24-Jul-25	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.4 %	71.5-134		5072319	JH	24-Jul-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
<i>Surrogate: 1-Chlorooctane</i>			87.7 %	44.4-145		5072349	MS	24-Jul-25	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			84.3 %	40.6-153		5072349	MS	24-Jul-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

FS - 5 (6')
H254391-03 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	2480		16.0	mg/kg	4	5072241	KH	22-Jul-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5072319	JH	24-Jul-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.8 %		71.5-134	5072319	JH	24-Jul-25	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.6 %		44.4-145	5072349	MS	24-Jul-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.3 %		40.6-153	5072349	MS	24-Jul-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

FS - 6 (6')
H254391-04 (Soil)

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

Chloride	1760		16.0	mg/kg	4	5072241	KH	22-Jul-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5072319	JH	24-Jul-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134 5072319 JH 24-Jul-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	

Surrogate: 1-Chlorooctane 96.0 % 44.4-145 5072349 MS 24-Jul-25 8015B

Surrogate: 1-Chlorooctadecane 89.5 % 40.6-153 5072349 MS 24-Jul-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

FS - 8 (6')
H254391-05 (Soil)

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

Chloride	832		16.0	mg/kg	4	5072241	KH	22-Jul-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5072319	JH	24-Jul-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134 5072319 JH 24-Jul-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	

Surrogate: 1-Chlorooctane 91.1 % 44.4-145 5072349 MS 24-Jul-25 8015B

Surrogate: 1-Chlorooctadecane 86.2 % 40.6-153 5072349 MS 24-Jul-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

FS - 10 (6')
H254391-06 (Soil)

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

Chloride	1520		16.0	mg/kg	4	5072241	KH	22-Jul-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5072319	JH	24-Jul-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134 5072319 JH 24-Jul-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	

Surrogate: 1-Chlorooctane 92.3 % 44.4-145 5072349 MS 24-Jul-25 8015B

Surrogate: 1-Chlorooctadecane 89.5 % 40.6-153 5072349 MS 24-Jul-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

FS - 31 (6')
H254391-07 (Soil)

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

Chloride	6240		16.0	mg/kg	4	5072241	KH	22-Jul-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5072319	JH	24-Jul-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.4 %		71.5-134	5072319	JH	24-Jul-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			101 %		44.4-145	5072349	MS	24-Jul-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.6 %		40.6-153	5072349	MS	24-Jul-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

WSW - 1 (2')
H254391-08 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	5072241	KH	22-Jul-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			93.8 %	71.5-134		5072319	JH	24-Jul-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
Surrogate: 1-Chlorooctane			83.6 %	44.4-145		5072349	MS	24-Jul-25	8015B	
Surrogate: 1-Chlorooctadecane			79.5 %	40.6-153		5072349	MS	24-Jul-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

ESW - 3 (2')
H254391-09 (Soil)

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

Chloride	992		16.0	mg/kg	4	5072241	KH	22-Jul-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5072319	JH	24-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5072319	JH	24-Jul-25	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.8 %	71.5-134		5072319	JH	24-Jul-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5072349	MS	24-Jul-25	8015B	
<i>Surrogate: 1-Chlorooctane</i>			99.4 %	44.4-145		5072349	MS	24-Jul-25	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			94.0 %	40.6-153		5072349	MS	24-Jul-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5072241 - 1:4 DI Water										
Blank (5072241-BLK1)				Prepared & Analyzed: 22-Jul-25						
Chloride	ND	16.0	mg/kg							
LCS (5072241-BS1)				Prepared & Analyzed: 22-Jul-25						
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (5072241-BSD1)				Prepared & Analyzed: 22-Jul-25						
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 5072319 - Volatiles**Blank (5072319-BLK1)**

Prepared: 23-Jul-25 Analyzed: 24-Jul-25

Benzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Total Xylenes	ND	0.150	mg/kg						
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		95.0	71.5-134		

LCS (5072319-BS1)

Prepared: 23-Jul-25 Analyzed: 24-Jul-25

Benzene	1.87	0.050	mg/kg	2.00		93.4	76.3-129		
Toluene	1.98	0.050	mg/kg	2.00		99.0	84.1-129		
Ethylbenzene	2.00	0.050	mg/kg	2.00		99.8	80.1-133		
m,p-Xylene	3.93	0.100	mg/kg	4.00		98.2	81.4-134		
o-Xylene	1.97	0.050	mg/kg	2.00		98.3	81.4-133		
Total Xylenes	5.90	0.150	mg/kg	6.00		98.3	81.5-134		
Surrogate: 4-Bromofluorobenzene (PID)	0.0468		mg/kg	0.0500		93.7	71.5-134		

LCS Dup (5072319-BSD1)

Prepared: 23-Jul-25 Analyzed: 24-Jul-25

Benzene	1.80	0.050	mg/kg	2.00		90.1	76.3-129	3.60	15.8
Toluene	1.90	0.050	mg/kg	2.00		94.8	84.1-129	4.32	15.9
Ethylbenzene	1.90	0.050	mg/kg	2.00		95.2	80.1-133	4.73	16
m,p-Xylene	3.74	0.100	mg/kg	4.00		93.5	81.4-134	4.96	16.2
o-Xylene	1.87	0.050	mg/kg	2.00		93.3	81.4-133	5.26	16.7
Total Xylenes	5.60	0.150	mg/kg	6.00		93.4	81.5-134	5.06	16.3
Surrogate: 4-Bromofluorobenzene (PID)	0.0469		mg/kg	0.0500		93.9	71.5-134		

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: HARROUN RANCH EAST TANK BAT
Project Number: 212C-MD-03775
Project Manager: SAMANTHA ALLEN
Fax To: (432) 682-3946

Reported:
28-Jul-25 11:14

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 5072349 - General Prep - Organics**Blank (5072349-BLK1)**

Prepared: 23-Jul-25 Analyzed: 24-Jul-25

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	47.0		mg/kg	50.0		94.0	44.4-145		
Surrogate: 1-Chlorooctadecane	44.1		mg/kg	50.0		88.2	40.6-153		

LCS (5072349-BS1)

Prepared: 23-Jul-25 Analyzed: 24-Jul-25

GRO C6-C10	217	10.0	mg/kg	200		108	81.5-123		
DRO >C10-C28	212	10.0	mg/kg	200		106	77.7-122		
Total TPH C6-C28	429	10.0	mg/kg	400		107	80.9-121		
Surrogate: 1-Chlorooctane	48.4		mg/kg	50.0		96.8	44.4-145		
Surrogate: 1-Chlorooctadecane	46.8		mg/kg	50.0		93.6	40.6-153		

LCS Dup (5072349-BS1)

Prepared: 23-Jul-25 Analyzed: 24-Jul-25

GRO C6-C10	219	10.0	mg/kg	200		110	81.5-123	1.17	13
DRO >C10-C28	211	10.0	mg/kg	200		106	77.7-122	0.301	15.6
Total TPH C6-C28	431	10.0	mg/kg	400		108	80.9-121	0.446	18.5
Surrogate: 1-Chlorooctane	52.9		mg/kg	50.0		106	44.4-145		
Surrogate: 1-Chlorooctadecane	48.8		mg/kg	50.0		97.6	40.6-153		

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*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Cardinal Laboratories

*=Accredited Analyte

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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

page 1 of 1

Company Name: <u>Tetra Tech - BTA Oil</u>				BILL TO				ANALYSIS REQUEST															
Project Manager: <u>Samantha Allen</u>				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> Confirmed added BTEX & TPH Standard TAT 7/21/25 </div> </div>															
Address:				Company: <u>Tetra Tech</u>																			
City: State: Zip:				Attn: <u>Samantha Allen</u>																			
Phone #: Fax #:				Address:																			
Project #: <u>4120 MD-03775</u> Project Owner:				City:																			
Project Name: <u>Harroon Ranch East Tank Battery</u>				State: Zip:																			
Project Location: <u>Eddy Co, NM</u>				Phone #:																			
Sampler Name: <u>Andrew Garcia</u>				Fax #:																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME									
<u>H054391</u>	<u>FS-1 (6')</u>	<u>C</u>	<u>1</u>			<u>X</u>					<u>X</u>		<u>2025</u>	<u>800</u>	<u>X</u>								
<u>1</u>	<u>FS-3 (6')</u>													<u>805</u>									
<u>2</u>	<u>FS-5 (6')</u>													<u>815</u>									
<u>3</u>	<u>FS-6 (6')</u>													<u>825</u>									
<u>4</u>	<u>FS-8 (6')</u>													<u>835</u>									
<u>5</u>	<u>FS-10 (6')</u>													<u>845</u>									
<u>6</u>	<u>FS-31 (6')</u>													<u>855</u>									
<u>7</u>	<u>WSW-1 (2')</u>													<u>900</u>									
<u>8</u>	<u>ESW-3 (2')</u>													<u>910</u>									
<u>9</u>																							

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Andrew Garcia</u>		Date: <u>07/21/25</u>	Received By: <u>AP</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:	Received By:		All Results are emailed. Please provide Email address: <u>Ntinker@BTAoil.com</u>	
Delivered By: (Circle One)		Observed Temp. °C: <u>8.1</u>	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		REMARKS: <u>Andrew Garcia @ Tetra Tech.com</u> <u>Samantha Allen @ Tetra Tech.com</u> <u>Christian Linn @ Tetra Tech.com</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: <u>8.4</u>	CHECKED BY: (Initials) <u>AD</u>		Turnaround Time: <u>Standard</u> <input type="checkbox"/> <u>Rush</u> <input checked="" type="checkbox"/>	
					Thermometer ID #140 Correction Factor +0.3°C	
					Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
					Observed Temp. °C: <u>24 HRTAT</u> Corrected Temp. °C:	

FORM 006 R 3.0 02/12/23

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

AP 7/21/25



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

July 23, 2025

SAMANTHA ALLEN

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: NORTHERN DELAWARE BASIN LANDFILL

Enclosed are the results of analyses for samples received by the laboratory on 07/22/25 16:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/22/2025	Sampling Date:	07/22/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	NORTHERN DELAWARE BASIN LANDFILL	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: BACKFILL - COMPOSITE TOPSOIL (H254432-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2025	ND	2.01	100	2.00	1.28	
Toluene*	<0.050	0.050	07/22/2025	ND	2.11	106	2.00	0.144	
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.09	105	2.00	0.754	
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	0.942	
Total BTEX	<0.300	0.300	07/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/23/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2025	ND	192	95.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	211	106	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.6 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/22/2025	Sampling Date:	07/22/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	NORTHERN DELAWARE BASIN LANDFILL	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: BACKFILL - COMPOSITE CALICHE (H254432-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.01	100	2.00	1.28		
Toluene*	<0.050	0.050	07/22/2025	ND	2.11	106	2.00	0.144		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.09	105	2.00	0.754		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	0.942		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	07/23/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2025	ND	192	95.8	200	0.146	
DRO >C10-C28*	43.6	10.0	07/23/2025	ND	211	106	200	2.93	
EXT DRO >C28-C36	19.6	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane 66.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.6 % 40.6-153

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

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 cursive script, appearing to read "Celey D. Keene", written in black ink.

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

page 1 of 1

Page 5 of 5

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Relinquished By: <i>Andrew Garcia</i>		Date: <i>07/22/25</i>	Received By: <i>Sheldrick</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: <i>Samantha Allen</i>
Relinquished By:		Date:	Received By:	REMARKS: <i>Christian. L. L. L. Lisbeth. Christina</i> <i>Andrew Garcia</i>
Delivered By: (Circle One)		Observed Temp. °C <i>3-3.5</i>	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <i>(24 HR TAT)</i>
Sampler - UPS - Bus - Other:		Corrected Temp. °C <i>3.6</i>	CHECKED BY: (Initials) <i>SG</i>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

~~FORM-000 R 3.0 02/12/20~~

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



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

July 23, 2025

SAMANTHA ALLEN

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: HARROUN RANCH EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/22/25 16:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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 "Coley 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:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/22/2025	Sampling Date:	07/22/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 32 (H254433-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/23/2025	ND	400	100	400	3.92	

Sample ID: FS - 33 (H254433-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/23/2025	ND	400	100	400	3.92	

Sample ID: FS - 34 (H254433-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/23/2025	ND	400	100	400	3.92	

Sample ID: FS - 35 (H254433-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/23/2025	ND	400	100	400	3.92	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Page 4 of 4

Company Name: <u>Tetra Tech - BTA Oil</u>		BILL TO		ANALYSIS REQUEST													
Project Manager: <u>Samantha Allen</u>		P.O. #:															
Address:		Company: <u>Tetra Tech</u>															
City:	State:	Zip:	Attn: <u>Samantha Allen</u>														
Phone #:	Fax #:	Address:															
Project #: <u>2120-MD-03775</u> Project Owner:		City:															
Project Name: <u>Harronn Ranch East Tank Battery</u>		State: Zip:															
Project Location: <u>Eddy Co. NM</u>		Phone #:															
Sampler Name: <u>Andrew Garcia</u>		Fax #:															
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING		Chloride						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:				ICE / COOL	OTHER:	DATE	TIME
<u>HASU433</u>	<u>FS-32</u>	<u>C</u>	<u>1</u>			<u>X</u>				<u>X</u>				<u>✓</u>		<u>7/22</u>	<u>800</u>
<u>1</u>	<u>FS-33</u>	<u>↓</u>	<u>↓</u>			<u>↓</u>				<u>↓</u>						<u>↓</u>	<u>900</u>
<u>2</u>	<u>FS-34</u>	<u>↓</u>	<u>↓</u>			<u>↓</u>				<u>↓</u>						<u>↓</u>	<u>1000</u>
<u>3</u>	<u>FS-35</u>	<u>↓</u>	<u>↓</u>			<u>↓</u>				<u>↓</u>			<u>↓</u>	<u>1100</u>			
<u>4</u>																	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Andrew Garcia</u>	Date: <u>7/22/25</u>	Received By: <u>Apurvas</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	<u>NTinker@BTAoil.com</u>
Relinquished By:	Date:	Received By:	REMARKS:
Relinquished By:	Date:	Received By:	<u>Andrew Garcia</u> <u>Christian Linn</u>
Relinquished By:	Date:	Received By:	<u>Samantha Allen</u>
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	Turnaround Time:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact	Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cool Intact Observed Temp. °C
			Corrected Temp. °C
		CHECKED BY: (Initials)	Thermometer ID #140
		<u>AP</u>	Correction Factor +0.3°C
			<u>24 HR TAT</u>

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



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

July 25, 2025

SAMANTHA ALLEN

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: HYDROSOURCE LOGISTICS NORTH RANCH

Enclosed are the results of analyses for samples received by the laboratory on 07/24/25 15:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/24/2025	Sampling Date:	07/24/2025
Reported:	07/25/2025	Sampling Type:	Soil
Project Name:	HYDROSOURCE LOGISTICS NORTH RAN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	EDDY CO NM		

Sample ID: BACKFILL COMPOSITE CALICHE (H254505-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2025	ND	1.88	93.8	2.00	5.23		
Toluene*	<0.050	0.050	07/24/2025	ND	1.92	96.2	2.00	5.88		
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	1.94	97.1	2.00	6.01		
Total Xylenes*	<0.150	0.150	07/24/2025	ND	5.82	97.0	6.00	5.35		
Total BTEX	<0.300	0.300	07/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/25/2025	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	07/24/2025	ND	199	99.3	200	1.03	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	189	94.4	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech-BTA Oil				BILL TO				ANALYSIS REQUEST																			
Project Manager: Samantha Allen				P.O. #:																							
Address:				Company: BTA Oil																							
City:		State:		Zip:		Attn: Incident #12739																					
Phone #:		Fax #:		Address:																							
Project #: 212C-MD-03775		Project Owner:		City:																							
Project Name: Hydrospace Logistics North Ranch				State: Zip:																							
Project Location: Eddy Co, NM				Phone #:																							
Sampler Name: Andrew Garcia				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME													
H234505		Backfill Composite Caliche		CI		X						X		2025 7/24 1400		BTEX Chloride TPH											

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Relinquished By: Andrew Garcia		Date: 7/24/25		Received By: ADP		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: 1553		Received By:		All Results are emailed. Please provide Email address:	
		Date:				Ntinker@BTAoil.com	
		Time:				REMARKS:	
						Andrew Garcia Christian Llew	
						Samantha Allen	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		AD	
		4.15					
		44.2					
Turnaround Time:		Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Bacteria (only) Sample Condition		Cool Intact Observed Temp. °C	
		24 HR TAT		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Thermometer ID #140		Correction Factor +0.3°C				Corrected Temp. °C	

FORM-006 R 3.0 02/12/23

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



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

July 28, 2025

SAMANTHA ALLEN

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: HARROUN RANCH EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/28/25 12:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/28/2025	Sampling Date:	07/28/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 5 (8') (H254567-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	07/28/2025	ND	416	104	400	3.77	

Sample ID: FS - 5 (9') (H254567-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1730	16.0	07/28/2025	ND	416	104	400	3.77	

Sample ID: FS - 5 (10') (H254567-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1780	16.0	07/28/2025	ND	416	104	400	3.77	

Sample ID: FS - 6 (8') (H254567-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	07/28/2025	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/28/2025	Sampling Date:	07/28/2025
Reported:	07/28/2025	Sampling Type:	Soil
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY COUNTY		

Sample ID: FS - 6 (9') (H254567-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	07/28/2025	ND	416	104	400	3.77		

Sample ID: FS - 6 (10') (H254567-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	07/28/2025	ND	416	104	400	3.77		

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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

Cardinal Laboratories

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 1 of 1

Page 5 of 5

Company Name: <u>Patm Tech - BTA O.I.</u>				BILL TO				ANALYSIS REQUEST																											
Project Manager: <u>Samantha Allen</u>				P.O. #:																															
Address:				Company: <u>BTA O.I.</u>																															
City: State: Zip:				Attn: <u>Incident # 12739</u>																															
Phone #: Fax #:				Address:																															
Project #: <u>212C-MD-03775</u> Project Owner:				City:																															
Project Name: <u>Harroun Ranch East Tank Battery</u>				State: Zip:																															
Project Location: <u>Eddy Co. NM</u>				Phone #:																															
Sampler Name: <u>Andrew Garcia</u>				Fax #:																															
FOR LAB USE ONLY																																			
Lab I.D.		Sample I.D.		(G/RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		Chloride																					
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE												OTHER		ACID/BASE		ICE / COOL		OTHER		DATE		TIME	
<u>H25480</u>																																			
<u>1</u>		<u>FS-5 (8')</u>		<u>C</u>		<u>1</u>		<u>X</u>		<u>X</u>																						<u>7/28</u>		<u>800</u>	
<u>2</u>		<u>FS-5 (9')</u>																																<u>815</u>	
<u>3</u>		<u>FS-5 (10')</u>																																<u>830</u>	
<u>4</u>		<u>FS-6 (8')</u>																						<u>900</u>											
<u>5</u>		<u>FS-6 (9')</u>																						<u>915</u>											
<u>6</u>		<u>FS-6 (10')</u>																						<u>930</u>											

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Andrew Garcia</u>		Date: <u>7/28/25</u>		Received By: <u>APOLLOS</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>1258</u>		Date:		Time:		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: <u>NTinkerCBTA O.I. com</u> <u>Samantha Allen</u> <u>Lisbeth Charina</u> <u>Christian Lluy</u>	
Time:		Date:		Time:		Turnaround Time: <u>Standard</u> <input type="checkbox"/> <u>Rush</u> <input checked="" type="checkbox"/>	
Delivered By: (Circle One)		Observed Temp. °C <u>18.2</u>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>2.1</u>		CHECKED BY: (Initials) <u>AE</u>		Thermometer ID #140 Correction Factor +0.3°C <u>Same day</u>	
						Observed Temp. °C Corrected Temp. °C	

FORM-006 R 3.0 02/12/23

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



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

September 11, 2025

SAMANTHA ALLEN

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: HARROUN RANCH EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/04/25 11:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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 "Coley D. Keene". The signature is written in a cursive style with a large, stylized 'C' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/04/2025	Sampling Date:	09/03/2025
Reported:	09/11/2025	Sampling Type:	Water
Project Name:	HARROUN RANCH EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03775	Sample Received By:	Tamara Oldaker
Project Location:	BTA - EDDY COUNTY		

Sample ID: SW - 1 (H255496-01)

Chloride, SM4500Cl-B (Water)		mg/L		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	180000	4.00	09/04/2025	ND	112	112	100	11.3		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	326000	5.00	09/05/2025	ND	500	100	500	1.42		

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

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 1 of 4

Page 4 of 4

Company Name: <u>Tetra Tech - BTA Oil Producers</u>		BILL TO		ANALYSIS REQUEST																		
Project Manager: <u>Samantha Allen</u>		P.O. #:																				
Address:		Company: <u>BTA Oil</u>																				
City:	State:	Zip:	Attn: <u>Incident #12739</u>																			
Phone #:	Fax #:	Address:																				
Project #:	Project Owner:		City:																			
Project Name: <u>Harrow Ranch East Tank Battery</u>	State:		Zip:																			
Project Location: <u>Eddy Co. NM</u>	Phone #:																					
Sampler Name: <u>Andrew Garcia</u>	Fax #:																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME								
<u>H255496</u>	<u>SW-1</u>	<u>G</u>	<u>1</u>	<u>X</u>							<u>X</u>		<u>9/3/25</u>	<u>1500</u>	<u>X</u>	<u>X</u>						

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Andrew Garcia</u>	Date: <u>9/4/25</u>	Received By: <u>Samantha Allen</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <u>1135</u>		All Results are emailed. Please provide Email address: <u>Samantha.Allen@Tetrattech.com</u>
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One)	Observed Temp. °C <u>0.3</u>	Sample Condition <u>Intact</u>	CHECKED BY: (Initials) <u>V.S.</u>
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>0.6</u>	Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
			Bacteria (only) Sample Condition
			Cool Intact Observed Temp. °C
			<input type="checkbox"/> Yes <input type="checkbox"/> Yes
			<input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C
			Thermometer ID #140
			Correction Factor +0.3°C

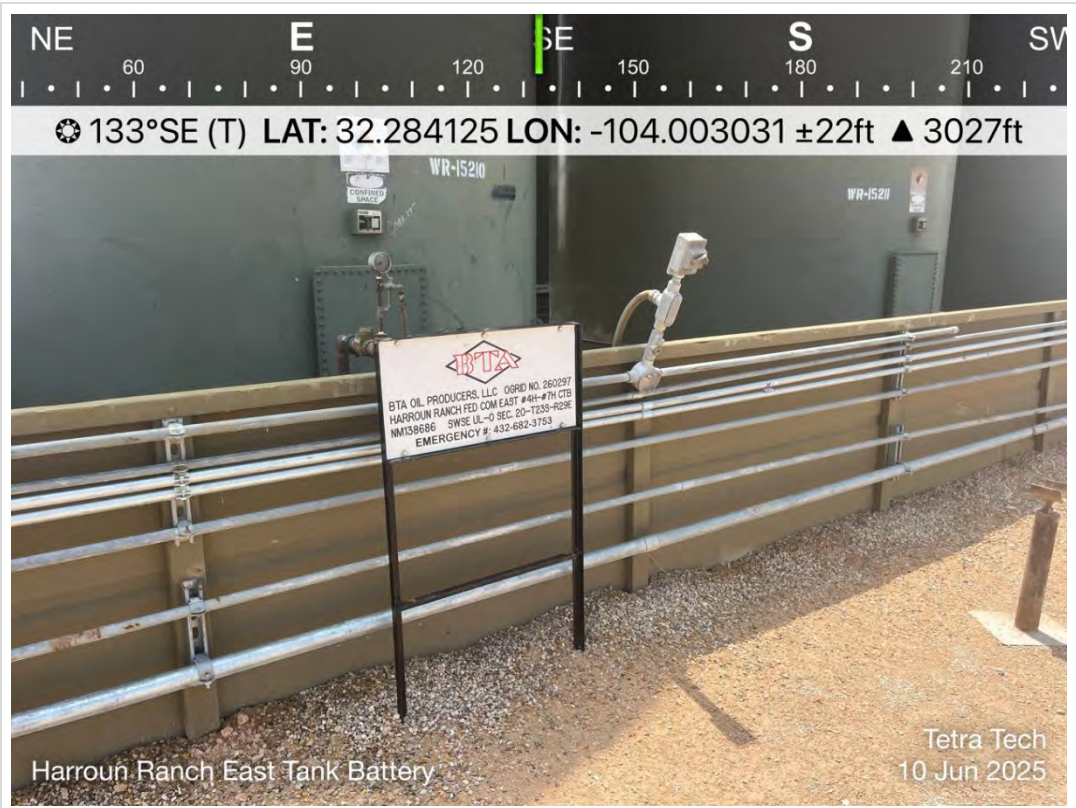
FORM-006 R 3.0 02/12/23

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

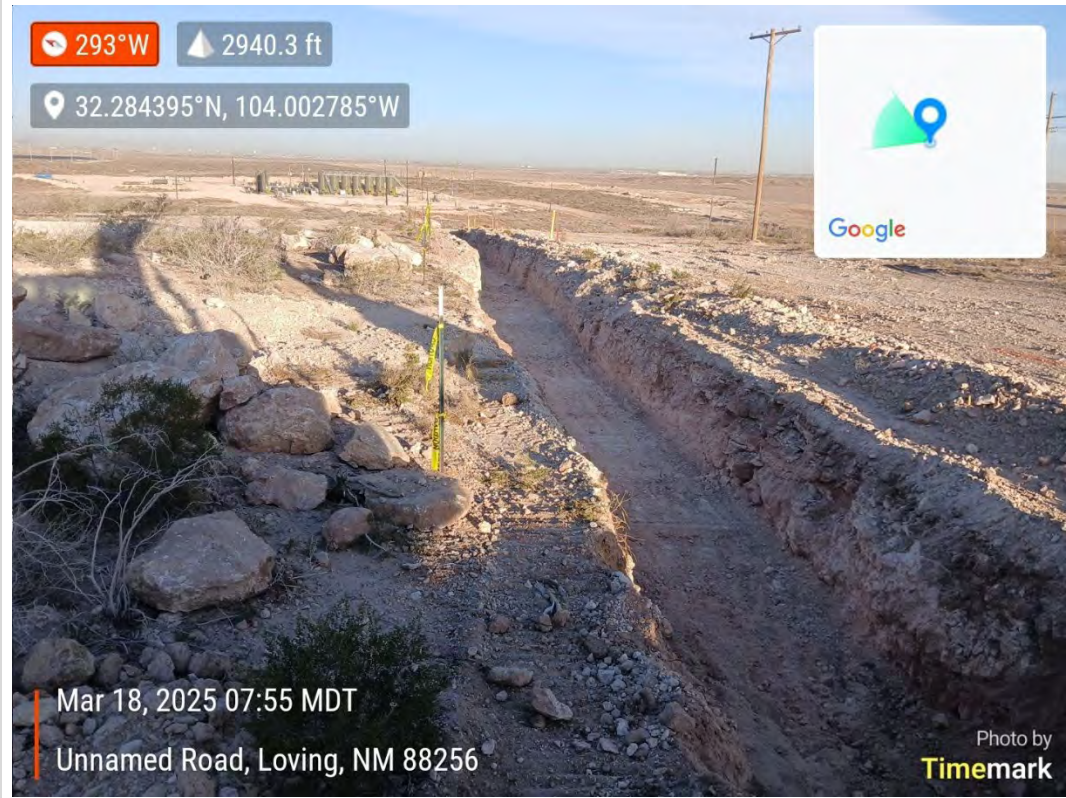
nAPP2202845563 Closure Report
Harroun Ranch East Tank Battery Release

BTA Oil Producers, LLC
October 6, 2025

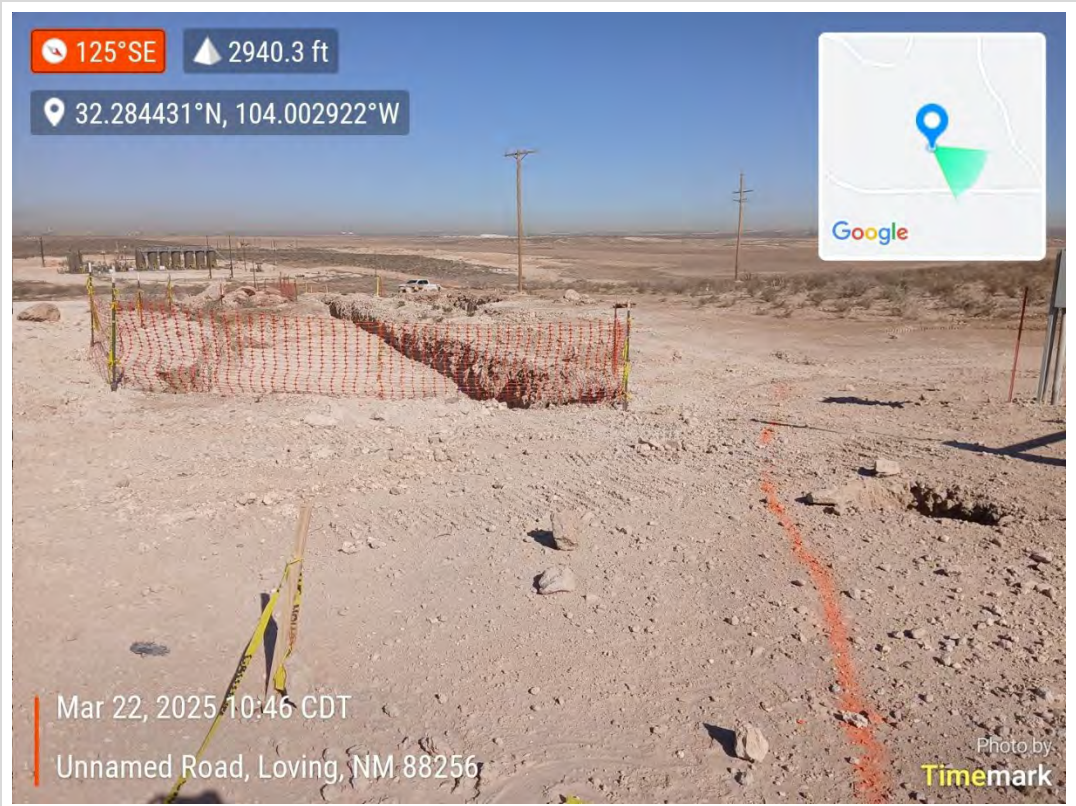
ATTACHMENT 6 – PHOTOGRAPHIC DOCUMENTATION



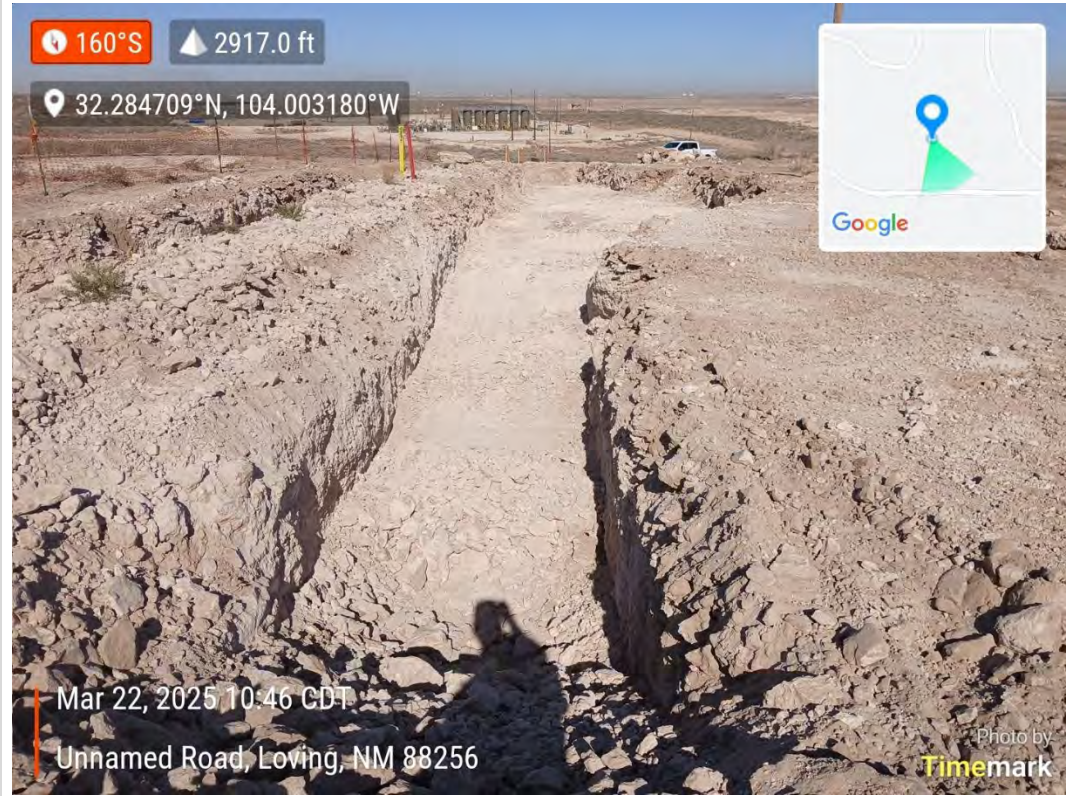
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View east of site signage. Harroun Ranch Fed Com East.	1
	SITE NAME	Harroun Ranch East Tank Battery Release	7/25/2025



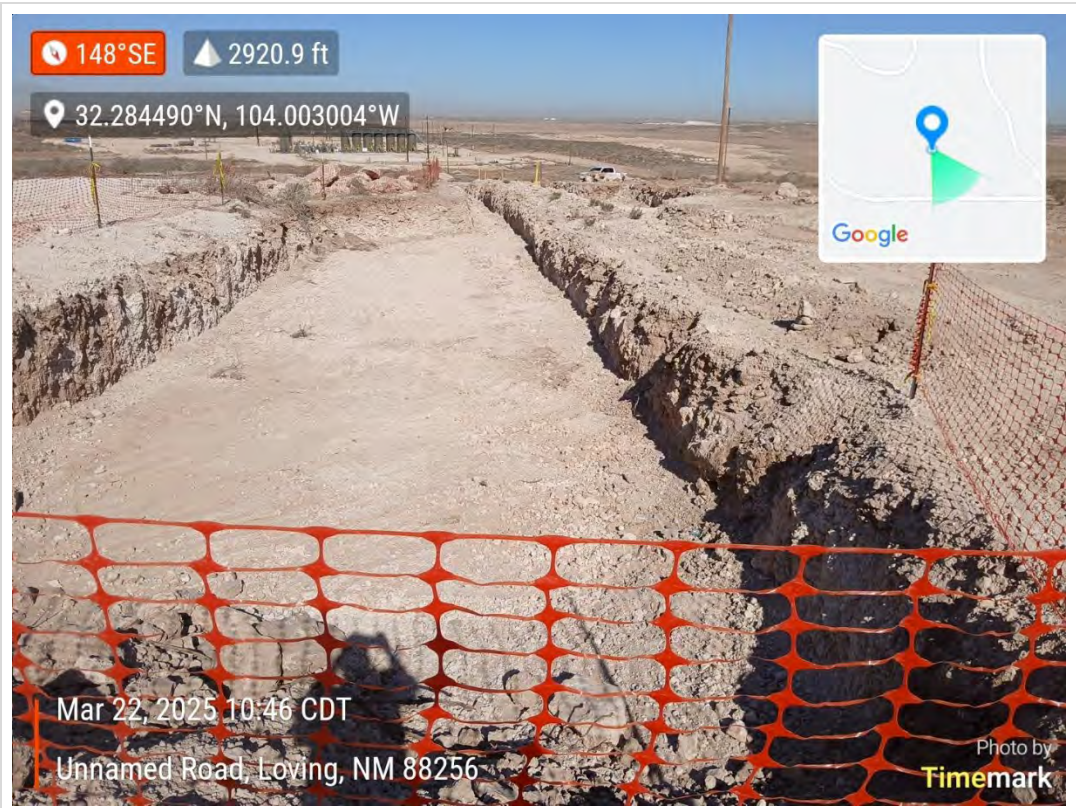
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View west of 2025 excavation progress.	2
	SITE NAME	Harroun Ranch East Tank Battery Release	3/18/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View southeast of 2025 excavation progress.	3
	SITE NAME	Harroun Ranch East Tank Battery Release	3/22/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View south of 2025 excavation progress.	4
	SITE NAME	Harroun Ranch East Tank Battery Release	3/22/2025



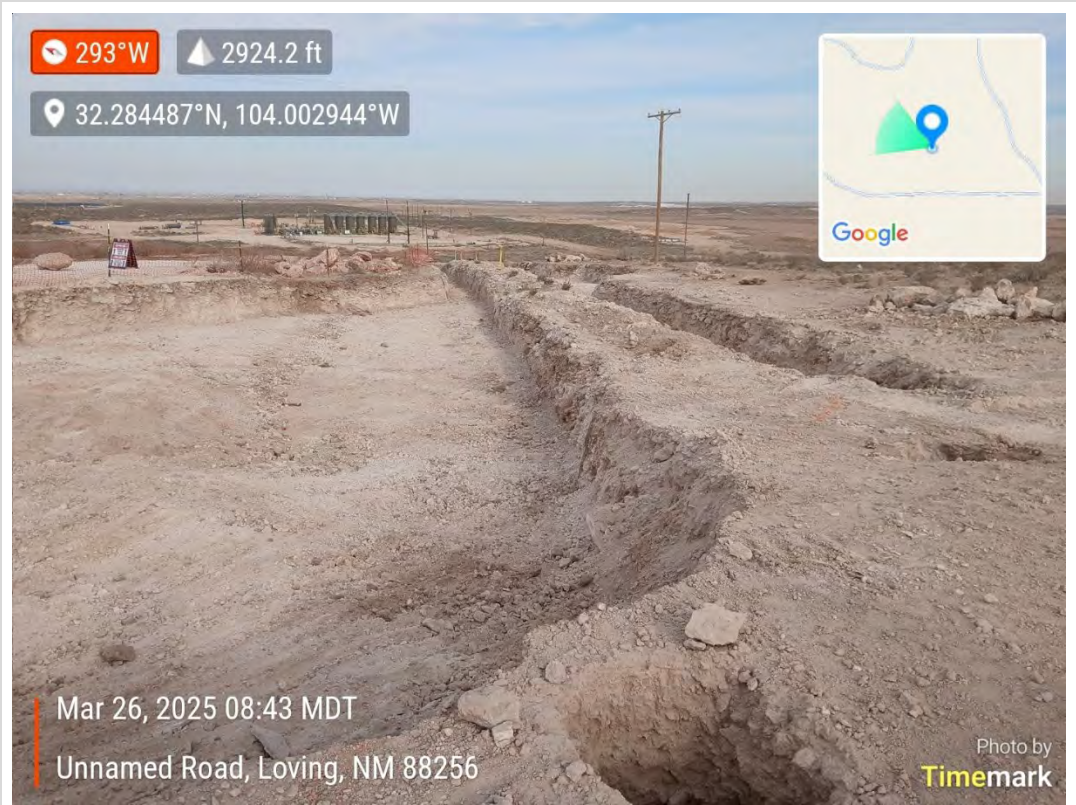
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View southeast of 2025 excavation progress.	5
	SITE NAME	Harroun Ranch East Tank Battery Release	3/22/2025



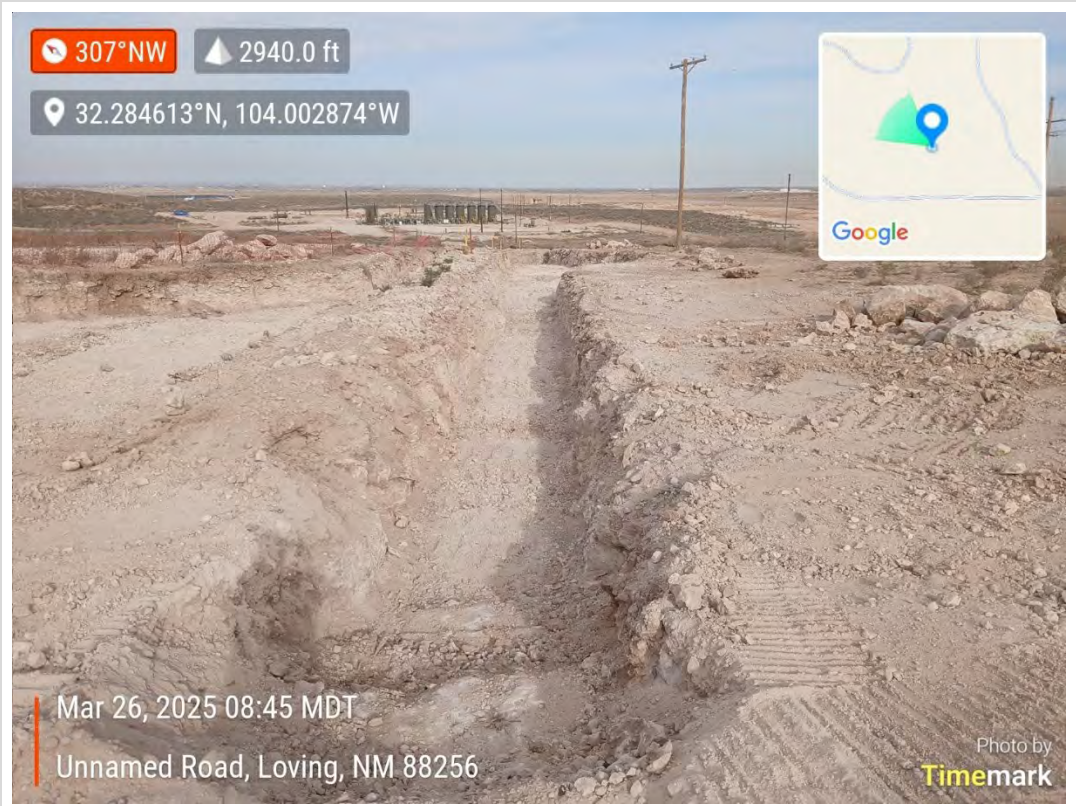
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View southeast of 2025 excavation progress.	6
	SITE NAME	Harroun Ranch East Tank Battery Release	3/22/2025



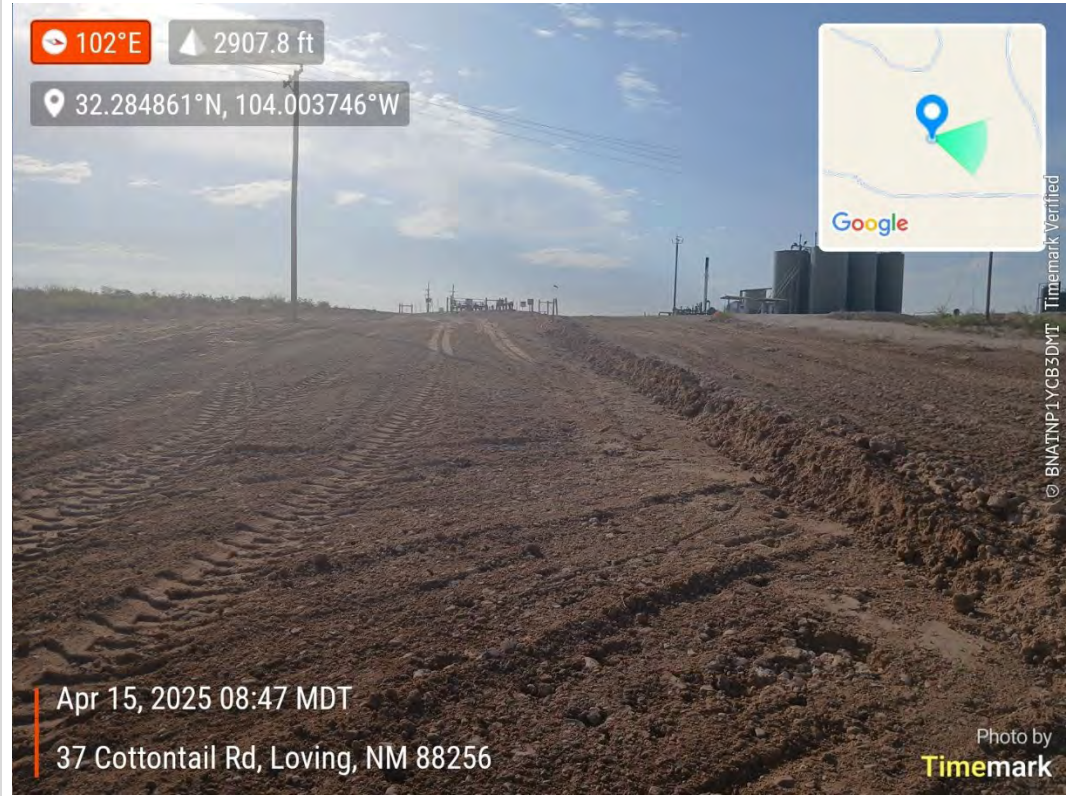
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View southwest of 2025 excavation progress.	7
	SITE NAME	Harroun Ranch East Tank Battery Release	3/25/2025



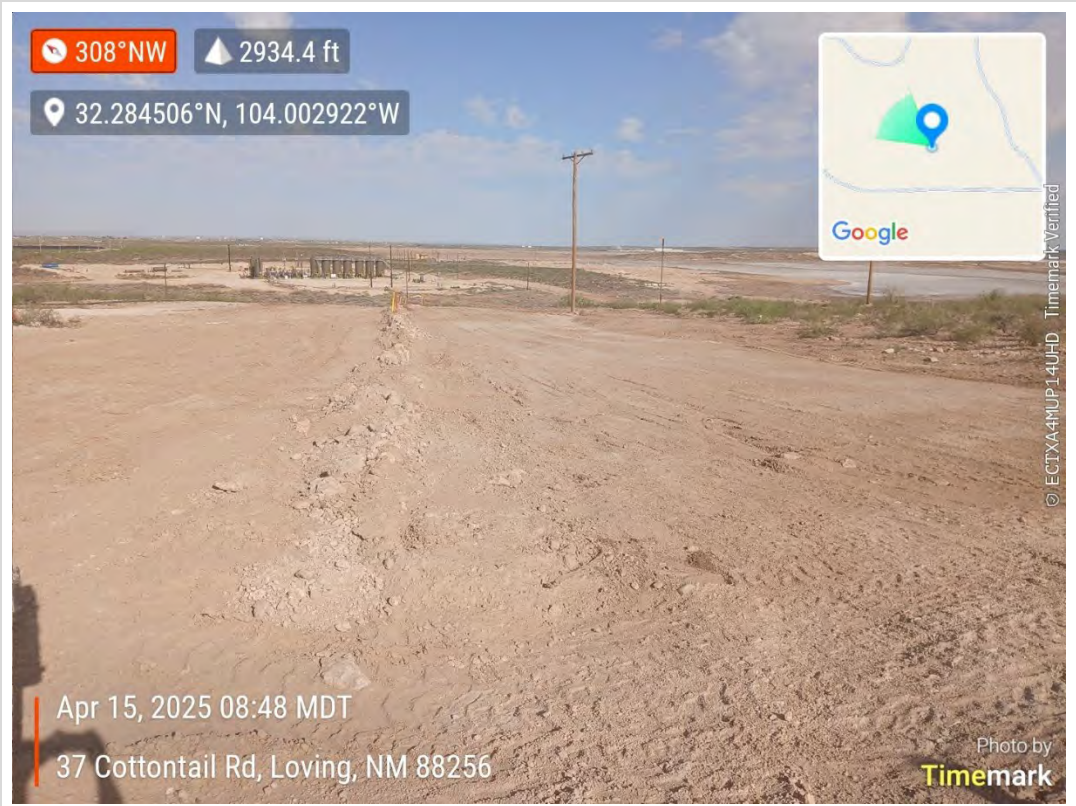
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View west of 2025 excavation progress.	8
	SITE NAME	Harroun Ranch East Tank Battery Release	3/26/2025



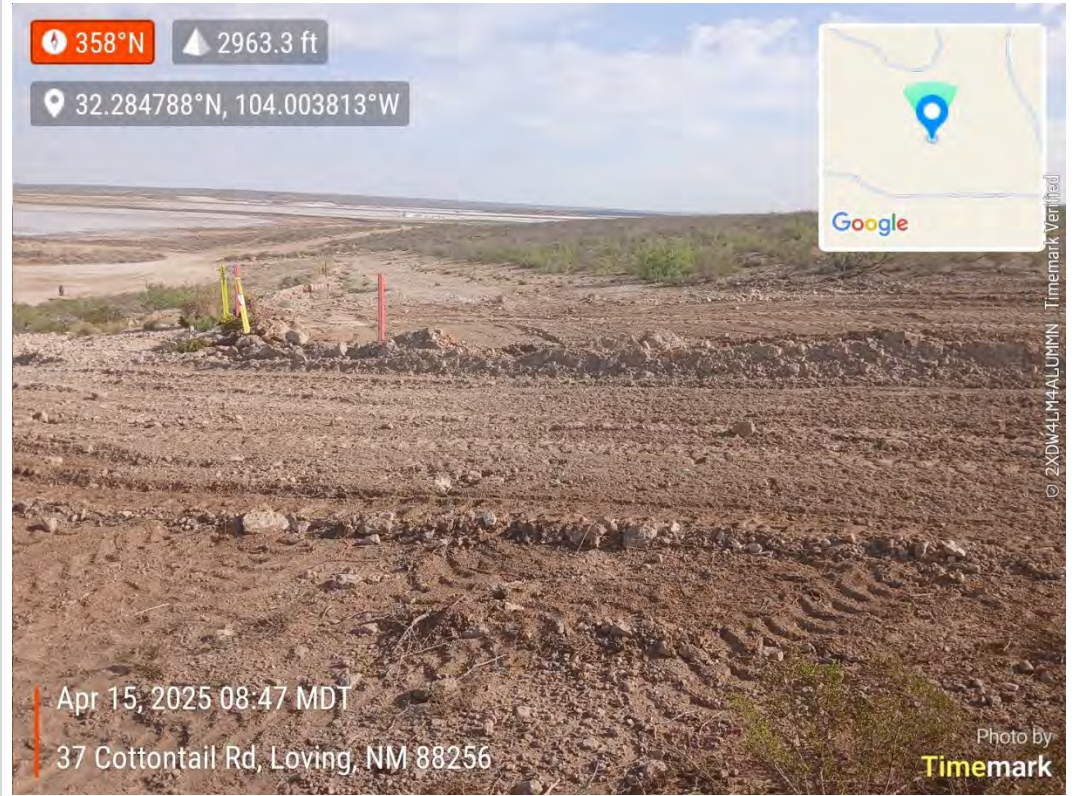
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View northwest of 2025 excavation progress.	9
	SITE NAME	Harroun Ranch East Tank Battery Release	3/26/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View east of backfilling activities.	10
	SITE NAME	Harroun Ranch East Tank Battery Release	4/15/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View northwest of backfilling activities.	11
	SITE NAME	Harroun Ranch East Tank Battery Release	4/15/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View north of backfilling activities.	12
	SITE NAME	Harroun Ranch East Tank Battery Release	4/15/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View southeast of hydroexcavation progress.	13
	SITE NAME	Harroun Ranch East Tank Battery Release	7/14/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View southeast of trenching activities in previously backfilled excavation.	14
	SITE NAME	Harroun Ranch East Tank Battery Release	7/14/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View east of trenching activities in previously backfilled excavation.	15
	SITE NAME	Harroun Ranch East Tank Battery Release	7/18/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View northwest of additional excavation progress.	16
	SITE NAME	Harroun Ranch East Tank Battery Release	7/23/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View west of additional excavation progress.	17
	SITE NAME	Harroun Ranch East Tank Battery Release	7/24/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View northwest of additional excavation progress.	18
	SITE NAME	Harroun Ranch East Tank Battery Release	7/24/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View northwest of additional excavation progress.	19
	SITE NAME	Harroon Ranch East Tank Battery Release	7/24/2025



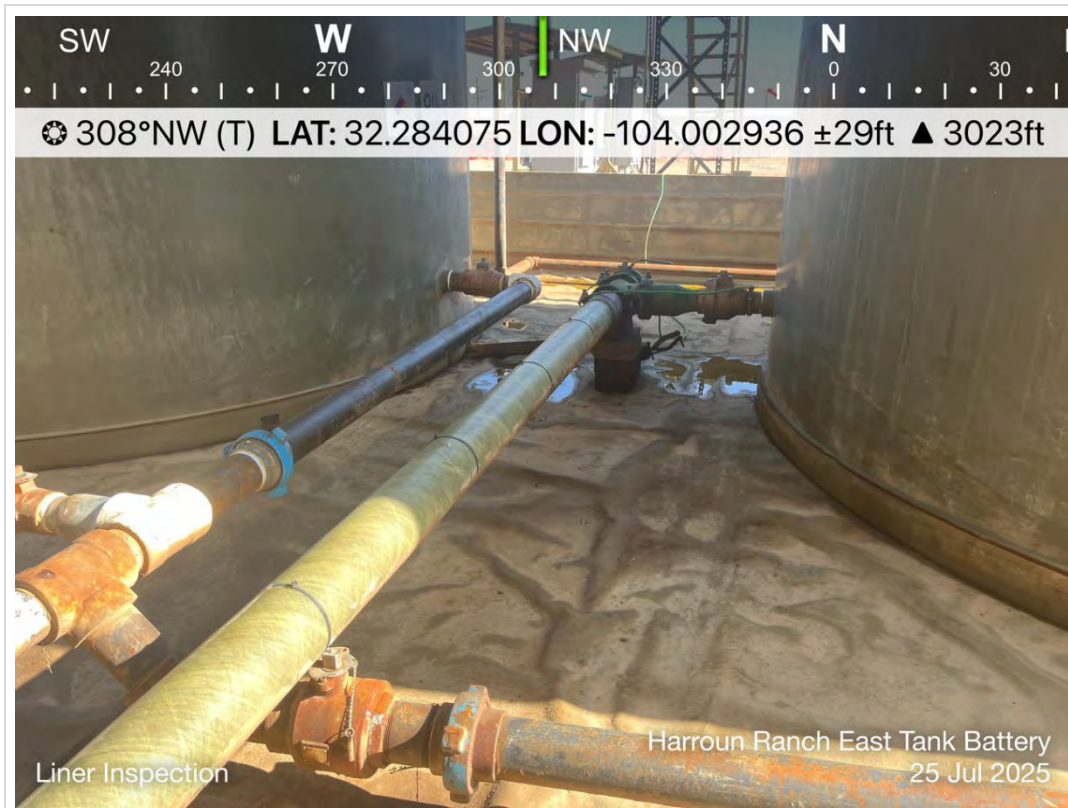
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View southeast of additional excavation progress.	20
	SITE NAME	Harroon Ranch East Tank Battery Release	7/28/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View north of additional excavation progress.	21
	SITE NAME	Harroun Ranch East Tank Battery Release	7/29/2025



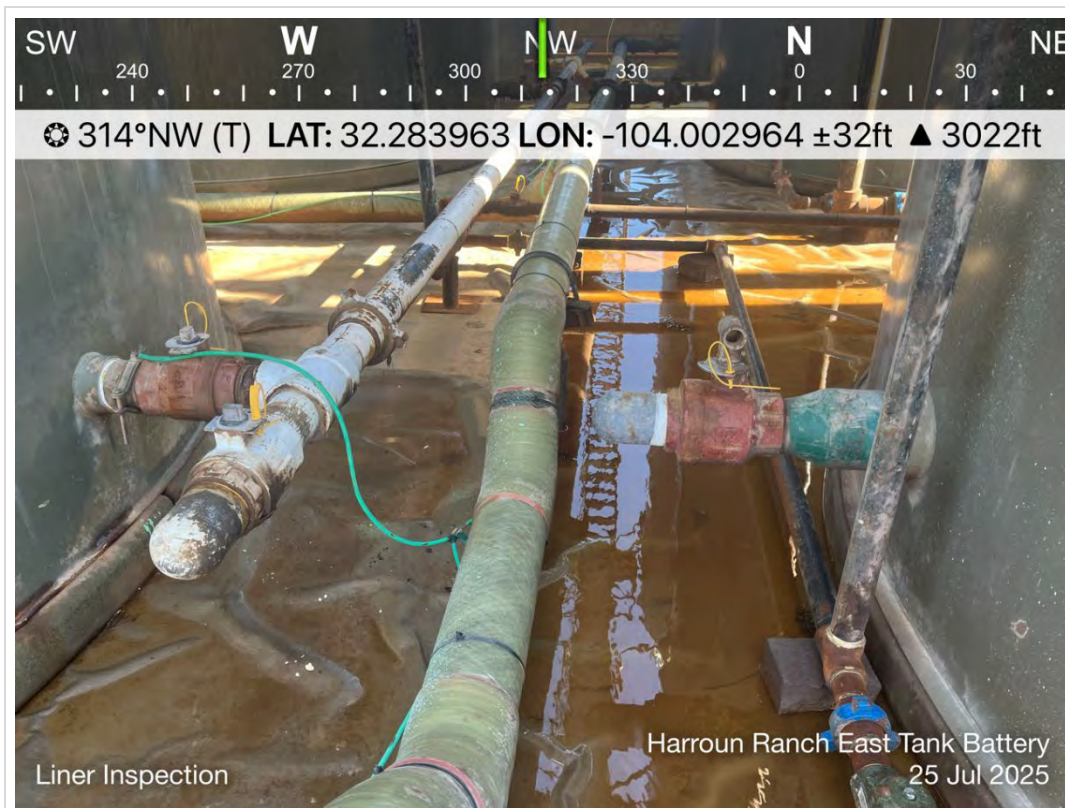
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View north of additional excavation progress.	22
	SITE NAME	Harroun Ranch East Tank Battery Release	7/29/2025



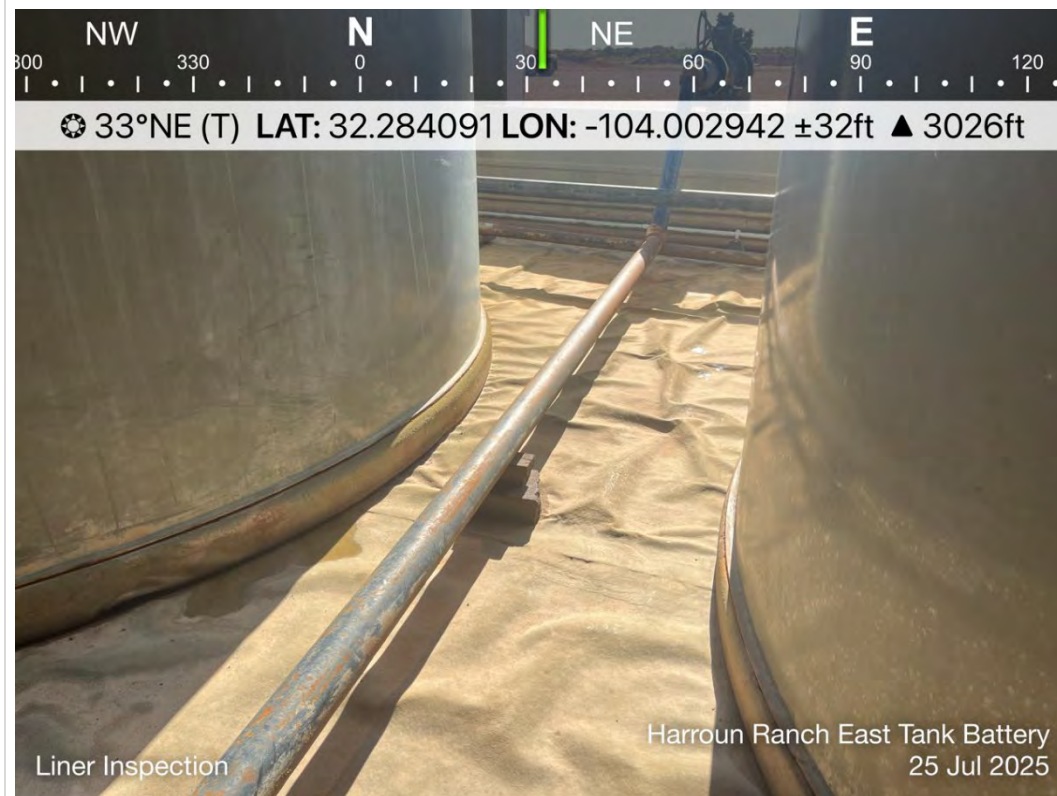
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View northwest. Inside tank battery containment post rain event. Current lined containment conditions: no rips, holes, or tears observed.	23
	SITE NAME	Harroun Ranch East Tank Battery Release	7/25/2025



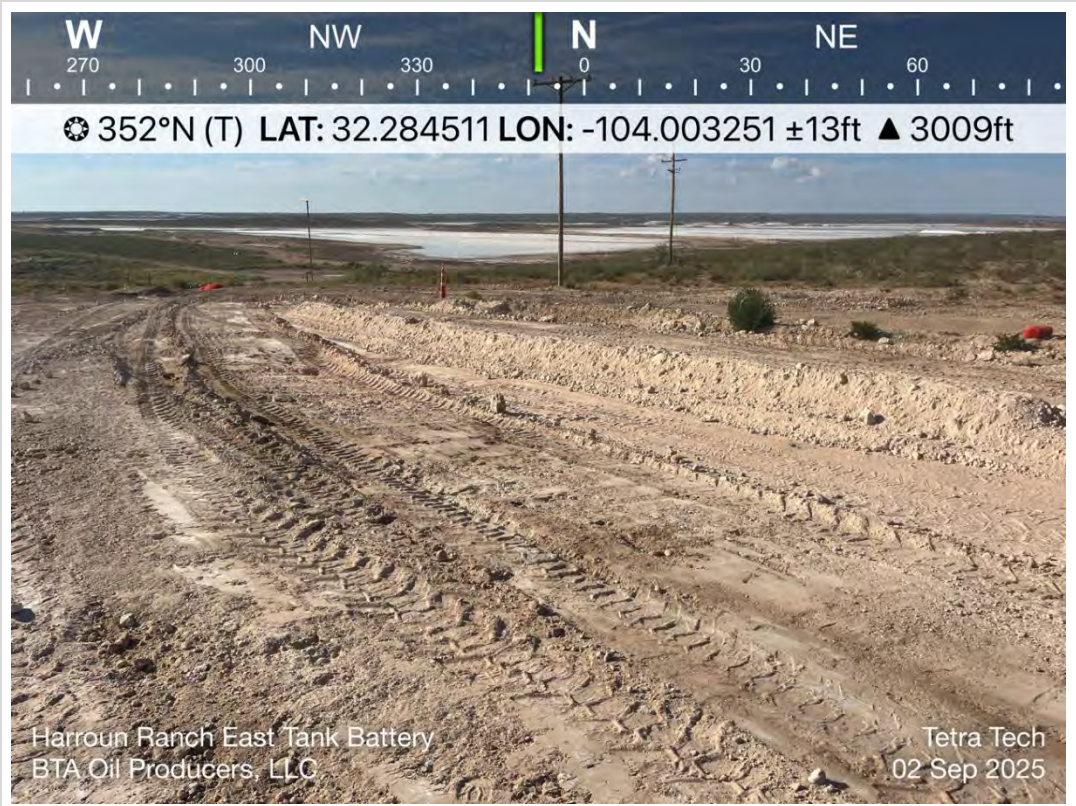
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View west. Inside tank battery containment post rain event. Current lined containment conditions: no rips, holes, or tears observed.	24
	SITE NAME	Harroun Ranch East Tank Battery Release	7/25/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View northwest. Inside tank battery containment post rain event. Current lined containment conditions: no rips, holes, or tears observed.	25
	SITE NAME	Harroun Ranch East Tank Battery Release	7/25/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View northeast. Inside tank battery containment post rain event. Current lined containment conditions: no rips, holes, or tears observed.	26
	SITE NAME	Harroun Ranch East Tank Battery Release	7/25/2025



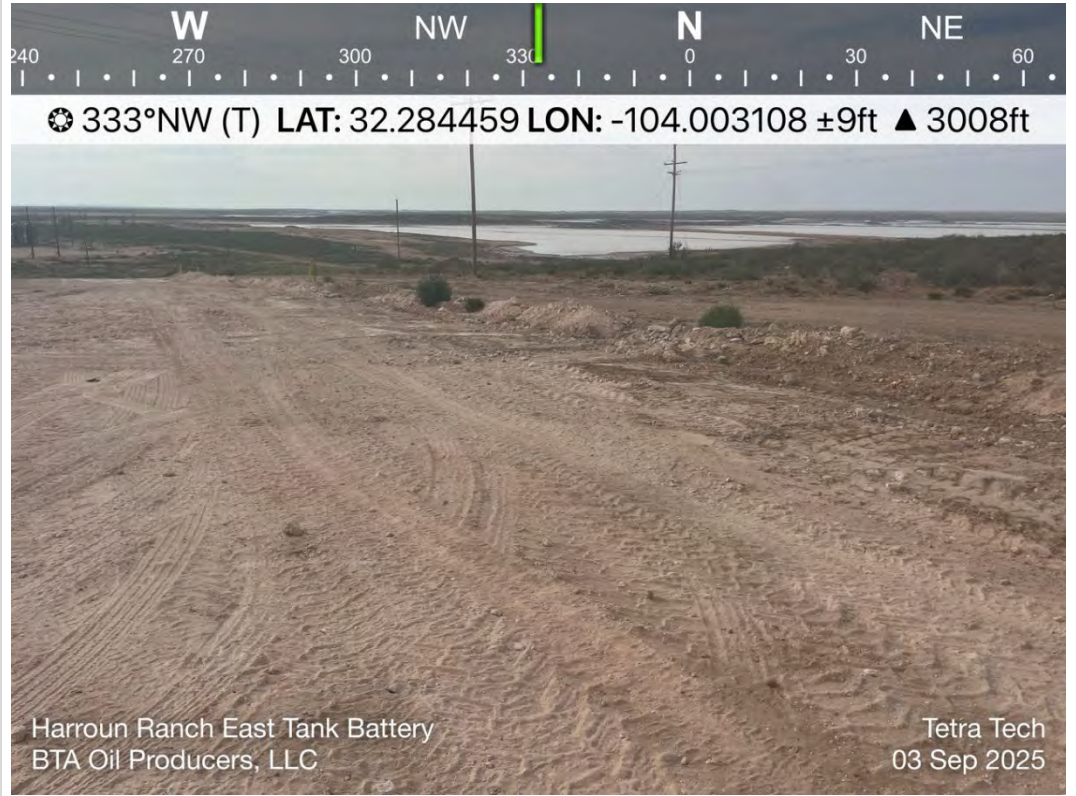
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View north of backfilling activities.	27
	SITE NAME	Harroun Ranch East Tank Battery Release	9/2/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View southeast of backfilling activities.	28
	SITE NAME	Harroun Ranch East Tank Battery Release	9/3/2025



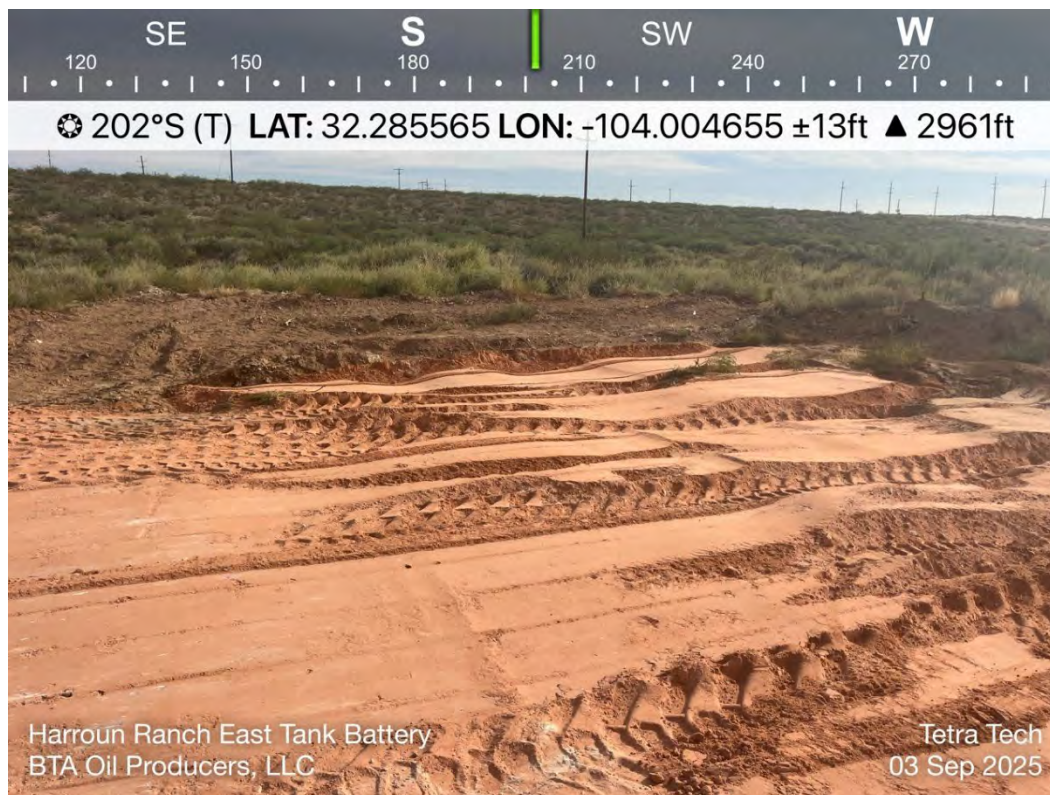
TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View southeast of backfilling activities.	29
	SITE NAME	Harroun Ranch East Tank Battery Release	9/3/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View north of backfilling activities.	30
	SITE NAME	Harroun Ranch East Tank Battery Release	9/3/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View north of backfilling and seeding activities.	31
	SITE NAME	Harroun Ranch East Tank Battery Release	9/3/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03775	DESCRIPTION	View south of backfilling and seeding activities.	32
	SITE NAME	Harroun Ranch East Tank Battery Release	9/3/2025

nAPP2202845563 Closure Report
Harroun Ranch East Tank Battery Release

BTA Oil Producers, LLC
October 6, 2025

ATTACHMENT 7 – WASTE MANIFESTS

**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300
Dallas, TX 75219
505.231.1212
ar@ndblandfill.com

COMPANY MAN: _____
(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #

0440981

COMPANY NAME: DIT HDATE: 7/22/15

LEASE: _____

PHONE: _____

AFE #: _____ API: _____

RIG NAME: _____ WELL #: _____

QUANTITY: _____ ☐ BBLS_____ ☐ YARDS

STATE & COUNTY ORIGIN: _____

Waste Description (check only one box)

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☐ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners☐ Other: _____Authorize Washout? ☐ Yes ☒ No

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT: Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT: Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name _____ Date _____ Signature _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: _____ YARD #: _____ WHP #: _____ TRUCK #: _____

ADDRESS: _____ TICKET #: _____ ROLL OFF BIN#: _____ TRAILER #: _____

DATE RECEIVED: _____ TIME RECEIVED: _____ ☐ AM ☐ PM DISPATCHER NAME: _____ DISPATCHER PHONE #: _____

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER: _____ DRIVER'S SIGNATURE: _____

(Driver's Name Printed)

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

TO BE COMPLETED BY OWL LANDFILL EMPLOYEES

FACILITY RECEIVED AT (Check One): _____ DATE: _____ TIME IN: _____ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

TIME OUT: _____ AM / PM

WASHOUT BY: _____

WASHOUT: _____ TIME IN: _____ TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM TESTING:

(Less than 50 MCR)

Shake Out:

	1	2	3
H ₂ O			
S			

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____ Employee (Printed Name) has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: _____

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: _____

(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #

0419449

COMPANY NAME: _____

DATE: _____

LEASE: _____

PHONE: _____

AFE #: _____

API: _____

QUANTITY: _____

☐ BBLs

RIG NAME: _____

WELL #: _____

☐ YARDS**STATE & COUNTY ORIGIN:** _____

Waste Description (check only one box)



RCRA Exempt



RCRA Non-Exempt

☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☐ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners

Authorize Washout?



Yes



No

☐ Other: _____

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name _____

Date _____

Signature _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: _____

YARD #: _____

WHP #: _____

TRUCK #: _____

ADDRESS: _____

TICKET #: _____

ROLL OFF BIN#: _____

TRAILER #: _____

DATE

TIME

☐ AM

DISPATCHER

DISPATCHER

RECEIVED: _____

RECEIVED: _____

☐ PM

NAME: _____

PHONE #: _____

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER: _____

DRIVER'S SIGNATURE: _____

(Driver's Name Printed)

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**TO BE COMPLETED BY OWL LANDFILL EMPLOYEES**

FACILITY RECEIVED AT (Check One):

DATE: _____

TIME IN: _____ AM / PM

TIME OUT: _____ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: _____

WASHOUT: _____

TIME IN: _____

TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM

TESTING:

(Less than 50 MCR)

Shake Out:

H₂O
S

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: _____

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: _____

(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #

0149976

COMPANY NAME: _____

DATE: _____

LEASE: _____

PHONE: _____

AFE #: _____ API: _____

QUANTITY: _____ ☐ BBLs

RIG NAME: _____ WELL #: _____

☐ YARDS

STATE & COUNTY ORIGIN: _____

Waste Description (check only one box)

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☐ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners☐ Other: _____Authorize Washout? ☐ Yes ☐ No

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name _____

Date _____

Signature _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: _____ YARD #: _____ WHP #: _____ TRUCK #: _____

ADDRESS: _____ TICKET #: _____ ROLL OFF BIN #: _____ TRAILER #: _____

DATE RECEIVED: _____ TIME RECEIVED: _____ ☐ AM ☐ PM DISPATCHER NAME: _____ DISPATCHER PHONE #: _____

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER: _____ DRIVER'S SIGNATURE: _____

(Driver's Name Printed)

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**TO BE COMPLETED BY OWL LANDFILL EMPLOYEES**

FACILITY RECEIVED AT (Check One): _____ DATE: _____ TIME IN: _____ AM / PM

TIME OUT: _____ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: _____

WASHOUT: _____ TIME IN: _____ TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM TESTING: _____

(Less than 50 MCR)

H₂O
S

Shake Out:

1	2	3

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____ Employee (Printed Name) has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: _____

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300
Dallas, TX 75219
505.231.1212
ar@ndblandfill.com

COMPANY MAN: _____

(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #**0419443**

COMPANY NAME: _____

DATE: 7/24/2025

LEASE: _____

PHONE: _____

AFE #: _____ API: 12739QUANTITY: _____ ☐ BBLs

RIG NAME: _____ WELL #: _____

☒ YARDS

STATE & COUNTY ORIGIN: _____

Waste Description (check only one box)

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☐ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: _____

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name _____

Date 7/24/2025

Signature _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENTCOMPANY NAME: OWL Landfill

YARD #: _____

WHP #: 4496TRUCK #: 4ADDRESS: 3889 Maple Ave Suite 300 Dallas TX 75219TICKET #: 61662

ROLL OFF BIN #: _____

TRAILER #: 43DATE RECEIVED: _____ TIME RECEIVED: _____ ☐ AM ☐ PM

DISPATCHER NAME: _____

DISPATCHER PHONE #: _____

DATE RECEIVED: _____ TIME RECEIVED: _____ ☐ AM ☐ PM

NAME: _____

PHONE #: _____

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."DRIVER: BUCK L. WILSON

DRIVER'S SIGNATURE: _____

(Driver's Name Printed)

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**TO BE COMPLETED BY OWL LANDFILL EMPLOYEES**

FACILITY RECEIVED AT (Check One):

DATE: 7.24.25

TIME IN: _____ AM / PM

TIME OUT: _____ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: _____

WASHOUT: _____

TIME IN: _____

TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM TESTING:

(Less than 50 MCR)

Shake Out:

H₂O

S

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: _____

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300
Dallas, TX 75219
505.231.1212
ar@ndblandfill.com

COMPANY MAN: C. J. [Signature]
(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #**0390171**COMPANY NAME: BTBDATE: 7/24/2025LEASE: 7/24/2025

PHONE: _____

AFE #: _____ API: PL 13739QUANTITY: _____ ☐ BBLs

RIG NAME: _____ WELL #: _____

20 ☒ YARDSSTATE & COUNTY ORIGIN: Edgar, City, New Mexico

Waste Description (check only one box)

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☐ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners☐ Other: _____Authorize Washout? ☐ Yes ☒ No

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name Araceli [Signature]Date 7/24/2025

Signature _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENTCOMPANY NAME: night hawk

YARD #: _____

WHP #: 4498TRUCK #: 38ADDRESS: 7/24/2025TICKET #: 64681

ROLL OFF BIN #: _____

TRAILER #: 38

DATE

TIME

☐ AM

DISPATCHER

DISPATCHER

RECEIVED:

RECEIVED:

☐ PM

NAME:

PHONE #:

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER: Jose W. MorciraDRIVER'S SIGNATURE: [Signature]

(Driver's Name Printed)

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

TO BE COMPLETED BY OWL LANDFILL EMPLOYEES

FACILITY RECEIVED AT (Check One):

DATE: 07/24/25TIME IN: 11:24

AM / PM

TIME OUT: _____

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: _____

WASHOUT: _____

TIME IN: _____

TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM
TESTING:(Less than 50
MCR)H₂O
S

Shake Out:

1	2	3

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name) LA

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: _____

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: _____

(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #

0419440

COMPANY NAME: _____

DATE: 7/15/2025

LEASE: _____

PHONE: _____

AFE #: _____ API: 82512139

QUANTITY: _____ ☐ BBLs

RIG NAME: _____ WELL #: _____

☐ YARDS

STATE & COUNTY ORIGIN: _____

Waste Description (check only one box)

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☐ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: _____

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name _____

Date 7/14/2025

Signature _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: _____ YARD #: 64601 WHP #: 4498 TRUCK #: _____

ADDRESS: _____ TICKET #: _____ ROLL OFF BIN #: _____ TRAILER #: 38

DATE _____ TIME _____ ☐ AM DISPATCHER _____ DISPATCHER _____RECEIVED: _____ RECEIVED: _____ ☐ PM NAME: _____ PHONE #: _____

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER: Jose Morcino DRIVER'S SIGNATURE: _____

(Driver's Name Printed)

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**TO BE COMPLETED BY OWL LANDFILL EMPLOYEES**

FACILITY RECEIVED AT (Check One): _____ DATE: 7/15/25 TIME IN: 11:34 AM / PM

TIME OUT: _____ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: _____

WASHOUT: _____ TIME IN: _____ TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM
TESTING:(Less than 50
MCR)

Shake Out:

	1	2	3
H ₂ O			
S			

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____ Employee (Printed Name) has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: _____

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator


OWL Landfill Services, LLC

DBA: Northern Delaware Basin Landfill

 3889 Maple Ave. Suite 300
 Dallas, TX 75219
 505.231.1212
 ar@ndblandfill.com
COMPANY MAN: _____
(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #

0416824

COMPANY NAME: BTALEASE: 4111000

AFE #: _____

API: P-127

RIG NAME: _____

WELL #: _____

STATE & COUNTY ORIGIN: El Paso, New MexicoDATE: 7/27/15

PHONE: _____

QUANTITY: 20☐ BBLs☒ YARDS

Waste Description (check only one box)

☐ Water Based Cuttings (DRY)☐ Oil Based Cuttings (DRY)☐ Oil Base Mud☐ Rig Trash☐ Other: _____☐ Water Based Cuttings (WET)☐ Oil Based Cuttings (WET)☐ Water Base Mud☐ Pit Liners☐ RCRA Exempt☒ Contaminated Soil☐ Injectable Fluids☐ Muds w/Cement☐ RCRA Non-Exempt☐ Produced Sands☐ Non-Injectable Fluids☐ Tank Bottoms

Authorize Washout?

☐ Yes☒ No

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NOBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name: ArmandoDate: 7/27/15

Signature: _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: TL SHIT INCADDRESS: 10210112 9X

DATE RECEIVED: _____

TIME RECEIVED: _____

☐ AM
☐ PM

YARD #: _____

TICKET #: _____

DISPATCHER NAME: _____

WHP #: _____

ROLL OFF BIN#: _____

TRUCK #: _____

TRAILER #: _____

DISPATCHER PHONE #: _____

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER: _____

DRIVER'S SIGNATURE: _____

(Driver's Name Printed)

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

TO BE COMPLETED BY OWL LANDFILL EMPLOYEES

FACILITY RECEIVED AT (Check One):

☐ Northern Delaware Basin Landfill
 2029 W. NM Highway 128 | Jal, New Mexico 88252

DATE: _____

TIME IN: _____

TIME OUT: _____

AM / PM

AM / PM

WASHOUT BY: _____

WASHOUT: _____

TIME IN: _____

TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

PASS

FAIL

N/A

PASS

FAIL

N/A

PASS

FAIL

N/A

NORM TESTING:

(Less than 50 MCR)

Shake Out:

H₂O S

1

2

3

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name)

EMPLOYEE SIGNATURE: _____

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



OWL Landfill Services, LLC
 DBA: Northern Delaware Basin Landfill
 3889 Maple Ave. Suite 300
 Dallas, TX 75219
 505.231.1212
 ar@ndblandfill.com

COMPANY MAN: _____
 (Authorized Agent's Printed Name and Title)
 SIGNATURE: _____
 COMPANY MAN EMAIL: _____
 COMPANY MAN PHONE: _____

MANIFEST #

0390175

COMPANY NAME: _____

LEASE: _____

AFE #: _____

API: _____

DATE: _____

PHONE: _____

RIG NAME: _____

WELL #: _____

STATE & COUNTY ORIGIN: _____

QUANTITY: _____

☐ BBLs☐ YARDS

Waste Description (check only one box)

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☐ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes ☒ No☐ Other: _____

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name _____

Date _____

Signature _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: _____

YARD #: _____

WHP #: _____

TRUCK #: _____

ADDRESS: _____

TICKET #: _____

ROLL OFF BIN#: _____

TRAILER #: _____

DATE

TIME

☐ AM

DISPATCHER

DISPATCHER

RECEIVED:

RECEIVED:

☐ PM

NAME:

PHONE #:

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER: _____

DRIVER'S SIGNATURE: _____

(Driver's Name Printed)

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

TO BE COMPLETED BY OWL LANDFILL EMPLOYEES

FACILITY RECEIVED AT (Check One):

DATE: _____

TIME IN: _____

AM / PM

TIME OUT: _____

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: _____

WASHOUT: _____

TIME IN: _____

TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A
 TCLP: PASS FAIL N/A
 TOX: PASS FAIL N/A

NORM
TESTING:(Less than 50
MCR)

Shake Out:

1	2	3

H₂O
S

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name)

EMPLOYEE SIGNATURE: _____

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

White Copy: Disposal Facility

Pink: Generator



Customer Copy



Northern Delaware Basic Landfill
2029 West NM Hwy 120
Jal NM 88252

WASTE TICKET

Ticket # 338579

Start: 07/24/2025 11:54 AM

End: 07/24/2025 12:03 PM

By: owl.amy

NET

GROSS	TARE	PRICE	AMOUNT
Contaminated Soil	20	0	20
Hauler: Nighthawk			
Driver: Rene Garcia			
Lease: Harren East Site			
Well: N/A			
AFE #: N/A			
County: State: 1EA (NM)			
API #: N/A			
Manifest #: 0416825			
Client Company Man: Cody York			
Rig Name & Number: N/A			
Purchase Order #: 12730			
Trucking Co Ticket #: N/A			
Truck Type: Belly Dumps			
UOM: CuYd			
UOM Count: 20			
PF Test Result: Pass			
H2S Test: Pass			
H2S Testing - PASS	1	0	1
Paint Filter - PASS	1	0	1
NORM - PASS	1	0	1
Additional Photos	1	0	1
24	0.0 lbs	\$0.01	\$0.20
SUBTOTAL			\$0.20
TAX			\$0.01
ROUNDING			\$0.00
TOTAL			\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: BTA Oil Producers, LLC

es, LLC

andfill
te 300
9

om

COMPANY MAN:

(Authorized Agent's Printed Name and Title)

SIGNATURE:

COMPANY MAN EMAIL:

COMPANY MAN PHONE:

MANIFEST #

0416825

DATE:

PHONE:

QUANTITY:

☐ BBLs☐ YARDS

WELL #:

☐ RCRA Exempt☐ RCRA Non-Exempt

ter Based Cuttings (WET)

☐ Contaminated Soil☐ Produced Sands

Based Cuttings (WET)

☐ Injectable Fluids☐ Non-Injectable Fluids

ter Base Mud

☐ Muds w/Cement☐ Tank Bottoms

Liners

Authorize Washout?

☐ Yes☐ No

d Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load

ted from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts load basis only)

s non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA 51.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation aste as non-hazardous is attached. (Check the appropriate items as provided)

☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)

rdous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous and a description of that waste must accompany this form)

Date

Signature

TED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

YARD #:

WHP #:

TRUCK #:

TICKET #:

ROLL OFF BIN#:

TRAILER #:

DISPATCHER
NAME:DISPATCHER
PHONE #:☐ AM
☐ PM

ent must be signed by the truck driver prior to unloading at disposal facility:

AS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE"

DRIVER'S SIGNATURE:

nted)

INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

TO BE COMPLETED BY OWL LANDFILL EMPLOYEES

DATE:

TIME IN:

AM / PM

TIME OUT:

AM / PM

WASHOUT BY:

WASHOUT:

TIME IN:

TIME OUT:

ACCEPTANCE TESTING:

PAINT FILTER:

PASS

FAIL

N/A

TCLP:

PASS

FAIL

N/A

TOX:

PASS

FAIL

N/A

NORM
TESTING:(Less than 50
MCR)

Shake Out:

H₂O
S

Gallon Test:

SERVICE NOTES:

This is to certify that:

Employee (Printed Name)

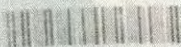
EMPLOYEE SIGNATURE:

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.



Customer Copy



Northern Delaware Basin Landfill
2029 West NM Hwy 128
Jal NM 88252

WASTE TICKET

Ticket # 338635

Start: 07/24/2025 02:39 PM

End: 07/24/2025 02:43 PM

By: owl leyanet

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil	20	0	20	\$0.01

Hauler: Nightawk
Driver: Rene Garcia
Lease: Harron East Site
AFE #: 12739
County, State: EDDY (NM)
Manifest #: 0390174
Client Company Name: Cody York
Trucking Co Ticket #: N/A
Truck Type: Belly Dumps
UOM: Cud
UOM Count: 20
PF Test Result: Pass
H2S Test: Pass

Paint Filter - PASS	1	0	1	\$0.00	\$0.00
H2S Testing - PASS	1	0	1	\$0.00	\$0.00
Additional Photos	1	0	1	\$0.00	\$0.00
	24	0.0 lbs	24	\$0.01	\$0.20

SUBTOTAL \$0.20
TAX \$0.01
ROUNDING \$0.00
TOTAL \$0.21

Date Type Amount
CASH \$0.21

Customer: BIA DII Producers, LLC

vices, LLC

Landfill
Suite 300
219
12
.com

COMPANY MAN: (Authorized Agent's Printed Name and Title)

SIGNATURE:

COMPANY MAN EMAIL:

COMPANY MAN PHONE:

MANIFEST #

0390174

DATE: 7/24/2025

PHONE:

QUANTITY:

☐ BBLS☐ YARDS

WELL #:

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Contaminated Soil☐ Produced Sands☐ Injectible Fluids☐ Non-Injectable Fluids☐ Muds w/Cement☐ Tank Bottoms

Authorize Washout?

☐ Yes☒ No

Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load

from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts basis only)

-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA 261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation is non-hazardous is attached. (Check the appropriate items as provided)

☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide Description Below)

non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous description of that waste must accompany this form)

Date 7/24/2025 Signature

BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

YARD #:

WHP #:

TRUCK #:

TICKET #:

ROLL OFF BIN#:

TRAILER #:

☐ AM

DISPATCHER

DISPATCHER

☐ PM

NAME:

PHONE #:

must be signed by the truck driver prior to unloading at disposal facility:

N PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE"

DRIVER'S SIGNATURE: Rene Garcia

INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

E COMPLETED BY OWL LANDFILL EMPLOYEES

FACILITY RECEIVED AT (Check One)

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

ACCEPTANCE TESTING:	PAINT FILTER:	PASS	FAIL	N/A
TCLP:	PASS	FAIL	N/A	
TOX:	PASS	FAIL	N/A	

SERVICE NOTES:

This is to certify that:

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE:

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 3 - Disposal Facility

DATE:

TIME IN:

AM / PM

TIME OUT:

AM / PM

WASHOUT BY:

WASHOUT:

TIME IN:

TIME OUT:

NORM TESTING

(Less than 50 MCR)

Shake Out:		
1	2	3

H₂O S

Gallon Test:



Customer Copy



Northern Delaware Basin Landfill
2020 West NM Hwy 12B
Jal NM 88252

---WASTE TICKET---

Ticket # 338835

Start: 07/25/2025 11:32 AM

End: 07/25/2025 11:47 AM

By: owl.11sanda

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil	20	0	20	\$0.01
Hauler: Nighthawk				\$0.20
Driver: Luis Vega				
Lease: Harron East Site				
Well: N/A				
AFE #: N/A				
County, State: 12739				
API #: N/A				
Manifest #: 0419447				
Client Company Man: Cody York				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
UDM: CuId				
UDM Count: 20				
PF Test Result: Pass				
H2S Test: Pass				

es, LLC

andfill

te 300

9

om

COMPANY MAN

(Authorized Agent's Printed Name and Title)

SIGNATURE:

COMPANY MAN EMAIL:

COMPANY MAN PHONE:

MANIFEST #

0419447

DATE:

PHONE:

QUANTITY:

☐ BBLs☐ YARDS

WELL #:

☐ RCRA Exempt☐ RCRA Non-Exempt

ter Based Cuttings (WET)

☐ Contaminated Soil☐ Produced Sands

Based Cuttings (WET)

☐ Injectable Fluids☐ Non-Injectable Fluids

ter Base Mud

☐ Muds w/Cement☐ Tank Bottoms

Liners

Authorize Washout?

☐ Yes☐ No

d Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load

ted from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts load basis only)

is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA 31.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation as to non-hazardous is attached. (Check the appropriate items as provided)

☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)

ardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous and a description of that waste must accompany this form)

Date

Signature

ETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

YARD #:

WHP #:

TRUCK #:

TICKET #:

ROLL OFF BIN#:

TRAILER #:

☐ AM

DISPATCHER

DISPATCHER

☐ PM

NAME:

PHONE #:

ment must be signed by the truck driver prior to unloading at disposal facility:

HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER'S SIGNATURE:

Printed)

IE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

TO BE COMPLETED BY OWL LANDFILL EMPLOYEES

DATE:

TIME IN:

AM / PM

TIME OUT:

AM / PM

WASHOUT BY:

WASHOUT:

TIME IN:

TIME OUT:

ACCEPTANCE TESTING:	PAINT FILTER:	PASS	FAIL	N/A
TCLP:	PASS	FAIL	N/A	
TOX:	PASS	FAIL	N/A	

NORM
TESTING:(Less than 50
MCR)

Shake Out:

1	2	3

H₂O
S

Gallon Test:

SERVICE NOTES:

This is to certify that:

Employee (Printed Name)

EMPLOYEE SIGNATURE:

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 3 - Disposal F

**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300
Dallas, TX 75219
505.231.1212
ar@ndblandfill.com

COMPANY MAN: _____
(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #**0419445**

COMPANY NAME: _____

DATE: 11/29/2025

LEASE: _____

PHONE: _____

AFE #: _____ API: 244 127 39

QUANTITY: _____ ☐ BBLS

RIG NAME: _____ WELL #: _____

☒ YARDS

STATE & COUNTY ORIGIN: _____

Waste Description (check only one box)☐ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☐ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: _____

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name _____

Date 11/29/2025

Signature _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: _____ YARD #: _____ WHP #: _____ TRUCK #: _____

ADDRESS: _____ TICKET #: _____ ROLL OFF BIN#: _____ TRAILER #: _____

DATE _____ TIME _____ ☐ AM DISPATCHER _____ DISPATCHERRECEIVED: _____ RECEIVED: _____ ☐ PM NAME: _____ PHONE #: _____

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER: _____ DRIVER'S SIGNATURE: _____

(Driver's Name Printed)

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**TO BE COMPLETED BY OWL LANDFILL EMPLOYEES**

FACILITY RECEIVED AT (Check One): _____ DATE: _____ TIME IN: _____ AM / PM

TIME OUT: _____ AM / PM

☐ Northern Delaware Basin Landfill
2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: _____

WASHOUT: _____ TIME IN: _____ TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A
TCLP: PASS FAIL N/A
TOX: PASS FAIL N/A

NORM TESTING:
(Less than 50 MCR)

Shake Out:		
1	2	3
H ₂ O		
S		

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____ Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: _____

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300
Dallas, TX 75219
505.231.1212
ar@ndblandfill.com

COMPANY MAN: _____

(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #**0419449**

COMPANY NAME: _____

DATE: 7/15/2025

LEASE: _____

PHONE: _____

AFE #: _____ API: 8 101779

QUANTITY: _____ ☐ BBLS

RIG NAME: _____ WELL #: _____

☒ YARDS

STATE & COUNTY ORIGIN: _____

Waste Description (check only one box)

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☐ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit LinersAuthorize Washout? ☐ Yes ☐ No☐ Other: _____

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name: _____

Date: 7/25/2025

Signature: _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: _____

YARD #: _____

WHP #: 4496

TRUCK #: 43

ADDRESS: _____

TICKET #: 64663

ROLL OFF BIN#: _____

TRAILER #: 43

DATE

TIME

☐ AM

DISPATCHER

DISPATCHER

RECEIVED: _____

RECEIVED: _____

☐ PM

NAME: _____

PHONE #: _____

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER: _____

(Driver's Name Printed)

DRIVER'S SIGNATURE: _____

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**TO BE COMPLETED BY OWL LANDFILL EMPLOYEES**

FACILITY RECEIVED AT (Check One):

DATE: 7/25/2025

TIME IN: 2:54

AM / PM

TIME OUT: _____

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: _____

WASHOUT: _____

TIME IN: _____

TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM TESTING:

(Less than 50 MCR)

Shake Out:

1 2 3

H₂O

S

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: _____

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



Customer Copy



Northern Delaware Basin Landfill
2029 W. NM Highway 128
Jal, New Mexico 88252

WET
8836
11:33 AM
11:44 AM
by: Owl.layanet

GROSS	TARE	NET	PRICE	AMOUNT	
Contaminated Soil	20	0	20	\$0.01	\$0.20

Hauler: Nighthawk
Driver: Rene Garcia
Lease: Harron East Site
AFE #: 12739
County, State: EDDY (NM)
Manifest #: 0419446
Client Company Man: Cody York
Trucking Co Ticket #: N/A
Truck Type: Belly Dumps
UDM: CuYd
UDM Count: 20
PF Test Result: Pass
H25 Test: Pass

H2S Testing - PASS	1	0	1	\$0.00	\$0.00
Paint Filter - PASS	1	0	1	\$0.00	\$0.00
NORM PASS	1	0	1	\$0.00	\$0.00
Additional Photos	1	0	1	\$0.00	\$0.00
	24	0.0 lbs		\$0.01	\$0.20
SUBTOTAL				----	\$0.20
TAX				----	\$0.01
ROUNDING				----	\$0.00
TOTAL				----	\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: BTA Oil Producers, LLC

es, LLC
300

COMPANY MAN:

(Authorized Agent's Printed Name and Title)

SIGNATURE:

COMPANY MAN EMAIL:

COMPANY MAN PHONE:

MANIFEST

0419446

DATE:

PHONE:

QUANTITY:

☐ BBLs☐ YARDS

WELL #:



RCRA Exempt



RCRA Non-Exempt

ased Cuttings (WET)

☐ Contaminated Soil☐ Produced Sands

d Cuttings (WET)

☐ Injectable Fluids☐ Non-Injectable Fluids

ase Mud

☐ Muds w/ Cement☐ Tank Bottoms

Authorize Washout?

☐ Yes☐ No

Every Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load

in oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts waste only)

azardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA 31.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation on hazardous is attached. (Check the appropriate items as provided)

RCRA Hazardous Waste Analysis

☐ Process Knowledge☐ Other (Provide Description Below)

on-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous description of that waste must accompany this form)

Date

Signature

THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

YARD #:

WHP #:

TRUCK #:

TICKET #:

ROLL OFF BIN#:

TRAILER #:

AM

DISPATCHER

DISPATCHER

PM

NAME:

PHONE #:

st be signed by the truck driver prior to unloading at disposal facility:

PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE.

fa

DRIVER'S SIGNATURE

ATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

COMPLETED BY OWL LANDFILL EMPLOYEES

DATE:

TIME IN:

AM / PM

TIME OUT:

AM / PM

WASHOUT BY:

WASHOUT:

TIME IN:

TIME OUT:

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A
TCLP: PASS FAIL N/A
TOX: PASS FAIL N/A

NORM
TESTING(Less than 50
MCR)H₂O
S

Shake Out:

1	2	3

Gallon Test:

SERVICE NOTES:

This is to certify that:

Employee (Printed Name)

EMPLOYEE SIGNATURE

has received the above indicated waste, waste has passed all acceptance testing at this facility and the waste has been disposed of in an authorized manner at a permitted site.

White: Only Disposal Facility

Yellow: Transporter

Pink: Generator

vices, LLC

Lasin Landfill

Suite 300

5219

212

ill.com

COMPANY MAN:

(Authorized Agent's Printed Name and Title)

SIGNATURE:

COMPANY MAN EMAIL:

COMPANY MAN PHONE:

MANIFEST #

0419450

Customer Copy



Northern Delaware Basic Landfill
2029 West NM Hwy 120
Jal NM 88252

WASTE TICKET

Ticket # 338891

Start: 07/25/2025 02:50 PM

End: 07/25/2025 03:21 PM

By: owl 11sanda

GROSS FARE NET PRICE AMOUNT

GROSS	FARE	NET	PRICE	AMOUNT
Contaminated Soil	20	0	20	\$0.01
				\$0.20

Hauler: Nighthawk
Driver: Rene Garcia
Lease: Harron East Site
Cell: N/A
FE #: 12739
County: State: LEA (NM)
PI #: N/A
Manifest #: 0419450
Client Company Name: Cody York
Log Name & Number: N/A
Trucking Co Ticket #: N/A
Truck Type: Belly Dump
M. CuYd
M Count: 20
Test Result:
3 Test: Pass

Testing	1	0	1	\$0.00	\$0.00
Paint Filter - PASS	1	0	1	\$0.00	\$0.00
PM - PASS	1	0	1	\$0.00	\$0.00
Additional Photos	1	0	1	\$0.00	\$0.00

Date	Type	Amount
24	0.0 lbs	\$0.01
		\$0.20

SUBTOTAL ---> \$0.20
TAX ---> \$0.01
ROUNDING ---> \$0.00
TOTAL ---> \$0.21

Date	Type	Amount
	CASH	\$0.21

Owner: BIA Oil Producers, LLC

vices, LLC

Lasin Landfill

Suite 300

5219

212

ill.com

COMPANY MAN:

(Authorized Agent's Printed Name and Title)

SIGNATURE:

COMPANY MAN EMAIL:

COMPANY MAN PHONE:

MANIFEST #

0419450

Customer Copy



Northern Delaware Basic Landfill
2029 West NM Hwy 120
Jal NM 88252

WASTE TICKET

Ticket # 338891

Start: 07/25/2025 02:50 PM

End: 07/25/2025 03:21 PM

By: owl 11sanda

GROSS FARE NET PRICE AMOUNT

GROSS	FARE	NET	PRICE	AMOUNT
Contaminated Soil	20	0	20	\$0.01
				\$0.20

Hauler: Nighthawk
Driver: Rene Garcia
Lease: Harron East Site
Cell: N/A
FE #: 12739
County: State: LEA (NM)
PI #: N/A
Manifest #: 0419450
Client Company Name: Cody York
Log Name & Number: N/A
Trucking Co Ticket #: N/A
Truck Type: Belly Dump
M. CuYd
M Count: 20
Test Result:
3 Test: Pass

Testing	1	0	1	\$0.00	\$0.00
Paint Filter - PASS	1	0	1	\$0.00	\$0.00
PM - PASS	1	0	1	\$0.00	\$0.00
Additional Photos	1	0	1	\$0.00	\$0.00

Date	Type	Amount
24	0.0 lbs	\$0.01
		\$0.20

SUBTOTAL ---> \$0.20
TAX ---> \$0.01
ROUNDING ---> \$0.00
TOTAL ---> \$0.21

Date	Type	Amount
	CASH	\$0.21

Owner: BIA Oil Producers, LLC

RCRA Exempt

RCRA Non-Exempt

Water Based Cuttings (WET)

☐ Contaminated Soil☐ Produced Sands

Oil Based Cuttings (WET)

☐ Injectable Fluids☐ Non-Injectable Fluids

Water Base Mud

☐ Muds w/Cement☐ Tank Bottoms

Pit Liners

Authorize Washout?

☐ Yes☐ No

Under the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load

generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NOBL Accepts per load basis only)

which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation is required for waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide Description Below)

If the waste is hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste and a description of that waste must accompany this form)

Date: Signature:

COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

YARD #:

WHP #:

TRUCK #:

TICKET #:

ROLL OFF BIN#:

TRAILER #:

☐ AM

DISPATCHER

DISPATCHER

☐ PM

NAME:

PHONE #:

Statement must be signed by the truck driver prior to unloading at disposal facility:

MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE

DRIVER'S SIGNATURE:

(Name Printed)

I CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

TO BE COMPLETED BY OWL LANDFILL EMPLOYEES

DATE:

TIME IN:

AM / PM

TIME OUT:

AM / PM

Landfill

Jal, New Mexico 88252

WASHOUT BY:

WASHOUT:

TIME IN:

TIME OUT:

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM TESTING:

(Less than 50 MCR)

Shake Out:

H₂O

S

Gallon Test:

SERVICE NOTES:

This is to certify that:

Employee (Printed Name)

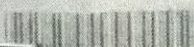
has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE:

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



Customer Copy



Northern Delaware Basin Landfill
2029 West NM Hwy 128
Jal NM 80252

---WASTE TICKET---

Ticket # 338822

Start: 07/25/2025 10:45 AM

End: 07/25/2025 10:57 AM

By: owl.lisanda

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil	20	0	20	\$0.01
Hauler: Nighthawk				
Driver: Jose Angel F				
Lease: Harron East Site				
Well: N/A				
AFE #: 12739				
County: State: LEA (NM)				
API #: N/A				
Manifest #: 0419444				
Client Company Man: Cody York				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
UDM: CuYd				
UDM Count: 20				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS	1	0	1	\$0.00
Paint Filter - PASS	1	0	1	\$0.00
NORM - PASS	1	0	1	\$0.00
Additional Photos	1	0	1	\$0.00
24	0.0 lbs		\$0.01	\$0.20
SUBTOTAL ---->			\$0.20	
TAX ---->			\$0.01	
ROUNDING ---->			\$-0.00	
TOTAL ---->			\$0.21	

Hauler: Nighthawk
Driver: Jose Angel F
Lease: Harron East Site
Well: N/A
AFE #: 12739
County: State: LEA (NM)
API #: N/A
Manifest #: 0419444
Client Company Man: Cody York
Rig Name & Number: N/A
Trucking Co Ticket #: N/A
Truck Type: Belly Dumps
UDM: CuYd
UDM Count: 20
PF Test Result: Pass
H2S Test: Pass

Date	Type	Amount
	CASH	\$0.21

ces, LLC
Landfill
ite 300
19
om

COMPANY MAN: _____
(Authorized Agent's Printed Name and Title)
SIGNATURE: _____
COMPANY MAN EMAIL: _____
COMPANY MAN PHONE: _____

MANIFEST #

0419444

DATE: 7/25/2025

PHONE: _____

QUANTITY: _____ ☐ BBLs
_____ ☒ YARDS

WELL #: _____

☐ RCRA Exempt☐ RCRA Non-Exempt

Based Cuttings (WET)

☐ Contaminated Soil☐ Produced Sands

ased Cuttings (WET)

☐ Injectable Fluids☐ Non-Injectable Fluids

r Base Mud

☐ Muds w/Cement☐ Tank Bottoms

ners

Authorize Washout?

☐ Yes☒ No

covery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load

from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts basis only)

-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA 261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation is non-hazardous is attached. (Check the appropriate items as provided)

☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide Description Below)

non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous description of that waste must accompany this form)

Date: 7/25/2025 Signature: _____

BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

YARD #: _____ WHP #: _____ TRUCK #: _____

TICKET #: _____ ROLL OFF BIN #: _____ TRAILER #: _____

☐ AM

DISPATCHER

DISPATCHER

☐ PM

NAME: _____

PHONE #: _____

must be signed by the truck driver prior to unloading at disposal facility:

EN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER'S SIGNATURE: Jose Angel F.

MATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

BE COMPLETED BY OWL LANDFILL EMPLOYEES

DATE: 7/25/2025 TIME IN: 10:45 AM / PM
TIME OUT: _____ AM / PM

WASHOUT BY: _____

WASHOUT: _____ TIME IN: _____ TIME OUT: _____

ACCEPTANCE TESTING:	PAIN FILTER:	PASS	FAIL	N/A
TCLP:	PASS	FAIL	N/A	
TOX:	PASS	FAIL	N/A	

NORM
TESTING:
12
(Less than 50
MCR)

H₂O
S

Shake Out:

1	2	3

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name)

EMPLOYEE SIGNATURE: _____

has received the above indicated waste, waste has passed all acceptances testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



Customer Copy



Northern Delaware Basin Landfill
2029 West NM Hwy 128
Jal NM 88252

---WASTE TICKET---

Ticket # 338885

Start: 07/25/2025 02:29 PM

End: 07/25/2025 03:10 PM

By: owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil	20	0	20	\$0.01
				\$0.20

Hauler: Nighthawk
Driver: Jose Angel Flores
Lease: Harron East Site
Well: N/A
AFE #: N/A
County, State: EDDY (NM)
API #: N/A
Manifest #: 0419448
Client Company Name: Cody York
Rig Name & Number: N/A
Purchase Order #: 12739
Trucking Co Ticket #: N/A
Truck Type: Belly Dumps
UOM: CuYd
UOM Count: 20
PF Test Result: Pass
H2S Test: Pass

H2S Testing - PASS	1	0	1	\$0.00	\$0.00
--------------------	---	---	---	--------	--------

Paint Filter - PASS	1	0	1	\$0.00	\$0.00
---------------------	---	---	---	--------	--------

NORM - PASS	1	0	1	\$0.00	\$0.00
-------------	---	---	---	--------	--------

Additional Photos	1	0	1	\$0.00	\$0.00
-------------------	---	---	---	--------	--------

	24	0.0 lbs	\$0.01	\$0.20
--	----	---------	--------	--------

SUBTOTAL ---> \$0.20
TAX ---> \$0.01
ROUNDING ---> \$0.00
TOTAL ---> \$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: BTA Oil Producers, LLC

es, LLC

ndfill
e 300

COMPANY MAN:

(Authorized Agent's Printed Name and Title)

SIGNATURE:

COMPANY MAN EMAIL:

COMPANY MAN PHONE:

MANIFEST #

0419448

DATE: 7/25/2025

PHONE:

QUANTITY:

☐ BBLS☐ YARDS

WELL #:



RCRA Exempt



RCRA Non-Exempt

Based Cuttings (WET)

☐ Contaminated Soil☐ Produced Sands

ased Cuttings (WET)

☐ Injectable Fluids☐ Non-Injectable Fluids

r Base Mud

☐ Muds w/Cement☐ Tank Bottoms

ners

Authorize Washout?

☐ Yes☐ No

recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load

from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts
basis only)

on-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA
11-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation
as non-hazardous is attached. (Check the appropriate items as provided)

☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)

us, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous
a description of that waste must accompany this form)

Date

Signature

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

YARD #:

WHP #:

TRUCK #:

TICKET #:

ROLL OFF BIN#:

TRAILER #:

☐ AM

DISPATCHER

DISPATCHER

☐ PM

NAME:

PHONE #:

t must be signed by the truck driver prior to unloading at disposal facility:

BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

Flowers DRIVER'S SIGNATURE: J. Flores

FORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

TO BE COMPLETED BY OWL LANDFILL EMPLOYEES

DATE: 7/25/25

TIME IN: 2:29

AM / PM

TIME OUT:

AM / PM

WASHOUT BY:

WASHOUT:

TIME IN:

TIME OUT:

ACCEPTANCE TESTING:	PAINT FILTER:	PASS	FAIL	N/A
TCLP:	PASS	FAIL	N/A	
TOX:	PASS	FAIL	N/A	

NORM
TESTING:(Less than 50
MCR)H₂O
S

Shake Out:

1	2	3

Gallon Test: _____

SERVICE NOTES:

This is to certify that:

Employee (Printed Name)

EMPLOYEE SIGNATURE:

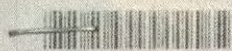
has received the above indicated waste, waste has passed all acceptance testing of this
facility and the waste has been disposed of in an authorized manner at a permitted site.

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Part 3 - Disposal



Customer Copy



Northern Delaware Basin Landfill
2029 West NM Hwy 128
Jal NM 88252

---WASTE TICKET---

Ticket # 338895
Start: 07/25/2025 03:23 PM
End: 07/25/2025 03:30 PM
By: owl.lisanda

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil	20	0	20	\$0.01
Hauler: Nighthawk				
Driver: Luis Vega				
Lease: Harron East Site				
Well: N/A				
AFE #: 12739				
County, State: LEA (NM)				
API #: N/A				
Manifest #: 0449976				
Client Company Man: Cody York				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
UDM: CuYd				
UDM Count: 20				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS	1	0	1	\$0.00
Paint Filter - PASS	1	0	1	\$0.00
NORM - PASS	1	0	1	\$0.00
Additional Photos	1	0	1	\$0.00
	24	0.0 lbs	\$0.01	\$0.20
			SUBTOTAL --->	\$0.20
			TAX --->	\$0.01
			ROUNDING --->	\$-0.00
			TOTAL --->	\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: BTA Oil Producers, LLC

ces, LLC
Landfill
ite 300
9
om

COMPANY MAN: Luis Vega
(Authorized Agent's Printed Name and Title)
SIGNATURE: _____
COMPANY MAN EMAIL: _____
COMPANY MAN PHONE: _____

MANIFEST #

0449976

DATE: 7/25/2025

PHONE: _____

QUANTITY: 20☐ BBLs☒ YARDS

WELL #: _____

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Based Cuttings (WET)☐ Contaminated Soil☐ Produced Sands☐ Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Base Mud☐ Muds w/Cement☐ Tank Bottoms

ners

Authorize Washout?

☐ Yes☒ No

Recovery Act (RCRA) and the US Environmental Protection Agency's July 1980 regulatory determination, the above described waste load

from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts d basis only)

n-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA 1-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation as non-hazardous is attached. (Check the appropriate items as provided)

☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)

is, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous a description of that waste must accompany this form)

Date: 7/25/2025

Signature: _____

BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

YARD #: _____

WHP #: _____

TRUCK #: _____

TICKET #: _____

ROLL OFF BIN #: _____

TRAILER #: _____

☐ AM

DISPATCHER

DISPATCHER

☐ PM

NAME: _____

PHONE #: _____

must be signed by the truck driver prior to unloading at disposal facility:

EEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER'S SIGNATURE: Luis Vega

FORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

BE COMPLETED BY OWL LANDFILL EMPLOYEES

DATE: 7/25/2025TIME IN: 3:23

AM / PM

TIME OUT: _____

AM / PM

WASHOUT BY: _____

WASHOUT: _____

TIME IN: _____

TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A
TCLP: PASS FAIL N/A
TOX: PASS FAIL N/A

NORM
TESTING:(Less than 50
MCR)

Shake Out:		
1	2	3

H₂O
S

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name)

EMPLOYEE SIGNATURE: _____

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: _____

(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #**0390172**

COMPANY NAME: _____

DATE: 7/24/2025

LEASE: _____

PHONE: _____

AFE #: _____ API: 1000 27 39

QUANTITY: _____ ☐ BBLs

RIG NAME: _____ WELL #: _____

☐ YARDS

STATE & COUNTY ORIGIN: _____

Waste Description (check only one box)

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☒ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: _____

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name _____

Date _____

Signature _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: _____

YARD #: _____

WHP #: _____

TRUCK #: _____

ADDRESS: _____

TICKET #: _____

ROLL OFF BIN #: _____

TRAILER #: _____

DATE

TIME

☐ AM

DISPATCHER

DISPATCHER

RECEIVED:

RECEIVED:

☐ PM

NAME:

PHONE #:

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER: _____

DRIVER'S SIGNATURE: _____

(Driver's Name Printed)

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**TO BE COMPLETED BY OWL LANDFILL EMPLOYEES**

FACILITY RECEIVED AT (Check One):

DATE: 07/24/25

TIME IN: 4:32

AM / PM

TIME OUT: _____

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: _____

WASHOUT: _____

TIME IN: _____

TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM

TESTING:

(Less than 50 MCR)

Shake Out:

1 2 3

H₂O

S

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name)

EMPLOYEE SIGNATURE: _____

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



Customer Copy



Northern Delaware Basin Landfill
2029 West NM Hwy 128
Jal NM 88252

WASTE TICKET
Ticket # 338688
Start: 07/24/2025 05:14 PM
End: 07/24/2025 05:23 PM
By: owl.leyanet

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil	20	20	\$0.01	\$0.20
Hauler: Nighthawk				
Driver: Jose Angel Flores				
Lease: Harron East Site				
AFE #: 12739				
County: State: EDDY (NM)				
Manifest #: 0419441				
Client Company Name: Cody York				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
UDM: Cud				
UDM Count: 20				
PF Test Result: Pass				
H2S Test: Pass				
Paint Filter - PASS	1	0	\$0.00	\$0.00
H2S Testing - PASS	1	0	\$0.00	\$0.00
NORM - PASS	1	0	\$0.00	\$0.00
Additional Photos	1	0	\$0.00	\$0.00
24	0.0 lbs		\$0.01	\$0.20
			SUBTOTAL	\$0.20
			TAX	\$0.01
			ROUNDING	\$0.00
			TOTAL	\$0.21

Date Type Amount
CASH \$0.21

Customer: BTA Oil Producers, LLC

2029 W. NM Highway 128 | Jal, New Mexico 88252

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A
TCLP: PASS FAIL N/A
TOX: PASS FAIL N/A

SERVICE NOTES:

This is to certify that:

Employee (Printed Name)

EMPLOYEE SIGNATURE:

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

es, LLC

e 300

COMPANY MAN:

(Authorized Agent's Printed Name and Title)

SIGNATURE:

COMPANY MAN EMAIL:

COMPANY MAN PHONE:

MANIFEST #

0419441

DATE:

PHONE:

QUANTITY:

☐ BBLs☐ YARDS☐

RCRA Exempt

☐

RCRA Non-Exempt

Cuttings (WET)

☐ Contaminated Soil☐ Produced Sands

Cuttings (WET)

☐ Injectable Fluids☐ Non-Injectable Fluids

Mud

☐ Mud w/ Cement☐ Tank Bottoms

Authorize Washout?

☐ Yes☐ No

RCRA and the US Environmental Protection Agency's July 1980 regulatory determination, the above described waste load

and gas exploration and production operations and are not mixed with non-exempt waste (NDE). Accepts

that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation hazardous is attached. (Check the appropriate items as provided)

Hazardous Waste Analysis

☐ Process Knowledge☐ Other (Provide Description Below)

waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste of that waste must accompany this form)

Date

Signature

TRANSPORTER WHILE THE GENERATOR IS PRESENT

YARD #:

WHP #:

TRUCK #:

TICKET #:

ROLL OFF BIN#:

TRAILER #:

DISPATCHER

DISPATCHER

NAME:

PHONE #:

ned by the truck driver prior to unloading at disposal facility:

D IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER'S SIGNATURE:

VEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

ETED BY OWL LANDFILL EMPLOYEES

DATE:

TIME IN:

AM / PM

TIME OUT:

AM / PM

WASHOUT BY:

WASHOUT:

TIME IN:

TIME OUT:

NORM TESTING:

(Less than 50 MCR)

Shake Out:

H₂O

S

Gallon Test:

**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: _____

(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #**0416821**COMPANY NAME: BT ADATE: 7/14/25LEASE: Harmon

PHONE: _____

AFE #: _____ API: _____

RIG NAME: _____ WELL #: _____

STATE & COUNTY ORIGIN: CD, TX, 0416821
 QUANTITY: _____ ☐ BBLs
 _____ ☐ YARDS

Waste Description (check only one box)

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☐ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners☐ Other: _____Authorize Washout? ☒ Yes ☐ No

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name: Mark

Date: _____

Signature: _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENTCOMPANY NAME: OWL Landfill Services, LLC YARD #: _____ WHP #: _____ TRUCK #: _____ADDRESS: Harmon TICKET #: _____ ROLL OFF BIN #: _____ TRAILER #: _____DATE RECEIVED: _____ TIME RECEIVED: _____ ☐ AM ☐ PM DISPATCHER NAME: _____ DISPATCHER PHONE #: _____

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."DRIVER: John Dier DRIVER'S SIGNATURE: [Signature]

(Driver's Name Printed)

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**TO BE COMPLETED BY OWL LANDFILL EMPLOYEES**

FACILITY RECEIVED AT (Check One):

DATE: 7/14/25 TIME IN: 1:5 AM / PM

TIME OUT: _____ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: _____

WASHOUT: TIME IN: _____ TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM TESTING:

(Less than 50 MCR)

Shake Out:		
1	2	3
H ₂ O		
S		

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: _____

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300
Dallas, TX 75219
505.231.1212
ar@ndblandfill.com

COMPANY MAN: _____

(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #**0390173**

COMPANY NAME: _____

LEASE: _____

AFE #: _____

API: P-21 14739

RIG NAME: _____

WELL #: _____

STATE & COUNTY ORIGIN: _____

DATE: 7/14/2015

PHONE: _____

QUANTITY: _____

☐ BBLs☐ YARDS

Waste Description (check only one box)

☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☒ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners☐ Other: _____Authorize Washout? ☐ Yes ☒ No

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name: Mick WalkerDate: 7/14/2015

Signature: _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENTCOMPANY NAME: ACI + HAWK

YARD #: _____

WHP #: _____

TRUCK #: _____

ADDRESS: Albuquerque, TX

TICKET #: _____

ROLL OFF BIN#: _____

TRAILER #: _____

DATE

TIME

☐ AM

DISPATCHER

DISPATCHER

RECEIVED: _____

RECEIVED: _____

☐ PM

NAME: _____

PHONE #: _____

The following statement must be signed by the truck driver prior to unloading at disposal facility:
"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE"DRIVER: Jose Angel Flores

(Driver's Name Printed)

DRIVER'S SIGNATURE: _____

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**TO BE COMPLETED BY OWL LANDFILL EMPLOYEES**

FACILITY RECEIVED AT (Check One):

☒ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

DATE: 7.24.15

TIME IN: _____

AM / PM

TIME OUT: _____

AM / PM

WASHOUT BY: _____

WASHOUT: _____

TIME IN: _____

TIME OUT: _____

ACCEPTANCE TESTING:	PAINT FILTER:	PASS	FAIL	N/A
	TCLP:	PASS	FAIL	N/A
	TOX:	PASS	FAIL	N/A

NORM
TESTING:(Less than 50
MCR)H₂O
S

Shake Out:

1	2	3

#338632

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name)

EMPLOYEE SIGNATURE: _____

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



Customer Copy



Northwest Delaware Basin Landfill
2029 West NM Hwy 128
Jal, NM 88252

WASTE TICKET

Ticket # 338696
Start: 07/24/2025 05:39 PM
End: 07/24/2025 05:46 PM
By: owl.laynet

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: Nighthawk				
Driver: Rene Garcia				
Lease: Marron East Site				
Well: N/A				
AFE #: 12739				
County, State: EDOY (NM)				
Manifest #: 0419442				
Client Company Name: Cody York				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
UDM: BBL				
UDM Count: 20				
PF Test Result: Pass				
H2S Test: Pass				
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24	0.0 lbs		\$0.01	\$0.20
SUBTOTAL --->				\$0.20
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: BTA Oil Producers, LLC

ces, LLC
Landfill
ite 300
9
om

COMPANY NAME: _____
(Authorized Agent's Printed Name and Title)
SIGNATURE: _____
COMPANY MAN EMAIL: _____
COMPANY MAN PHONE: _____

MANIFEST #

0419442

DATE: 7/24/25

PHONE: _____

QUANTITY: _____

☐ BBLs☐ YARDS

WELL #: _____



RCRA Exempt



RCRA Non-Exempt

Based Cuttings (WET)

☐ Contaminated Soil☐ Produced Sands

sed Cuttings (WET)

☐ Injectable Fluids☐ Non-Injectable Fluids

Base Mud

☐ Muds w/Cement☐ Tank Bottoms

Authorize Washout?

☐ Yes☐ No

Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load

from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDL Accepts basis only)

hazardous (that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA 261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation is non-hazardous is attached. (Check the appropriate items as provided)

☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide Description Below)

non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous description of that waste must accompany this form)

Date: 7/24/25 Signature: _____

BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

YARD #: _____

WHP #: _____

TRUCK #: _____

TICKET #: _____

ROLL OFF BIN#: _____

TRAILER #: _____

☐ AM

DISPATCHER

DISPATCHER

☐ PM

NAME: _____

PHONE #: _____

must be signed by the truck driver prior to unloading at disposal facility:

BE PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE

DRIVER'S SIGNATURE: _____

INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

BE COMPLETED BY OWL LANDFILL EMPLOYEES

DATE: 7/24/25

TIME IN: _____

AM / PM

TIME OUT: _____

AM / PM

WASHOUT BY: _____

WASHOUT: _____

TIME IN: _____

TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A
TCLP: PASS FAIL N/A
TOX: PASS FAIL N/A

NORM TESTING

(Less than 50 MCR)

Shake Out:

	1	2	3
H ₂ O			
S			

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name): _____

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: _____

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: _____

(Authorized Agent's Printed Name and Title)

SIGNATURE: _____

COMPANY MAN EMAIL: _____

COMPANY MAN PHONE: _____

MANIFEST #

0449871

COMPANY NAME: BTADATE: 7/15/2015LEASE: Lease East

PHONE: _____

AFE #: _____ API: 13721QUANTITY: _____ ☐ BBLS

RIG NAME: _____ WELL #: _____

☐ YARDS

STATE & COUNTY ORIGIN: _____

Waste Description (check only one box)

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☐ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners☐ Other: _____Authorize Washout? ☐ Yes ☐ No

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name: _____

Date: 7/15/2015

Signature: _____

TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

COMPANY NAME: _____ YARD #: _____ WHP #: _____ TRUCK #: _____

ADDRESS: _____ TICKET #: _____ ROLL OFF BIN #: _____ TRAILER #: _____

DATE: _____ TIME: _____ ☐ AM ☐ PM DISPATCHER: _____RECEIVED: _____ RECEIVED: _____ ☐ AM ☐ PM NAME: _____ PHONE #: _____

The following statement must be signed by the truck driver prior to unloading at disposal facility:

"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."DRIVER: Jose Angel Flores DRIVER'S SIGNATURE: Jose M. J.

(Driver's Name Printed)

I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**TO BE COMPLETED BY OWL LANDFILL EMPLOYEES**

FACILITY RECEIVED AT (Check One):

DATE: 7-25-25 TIME IN: 3:23 AM / PM

TIME OUT: _____ AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: _____

WASHOUT: TIME IN: _____ TIME OUT: _____

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A
TCLP: PASS FAIL N/A
TOX: PASS FAIL N/ANORM
TESTING:
(Less than 50
MCR)Shake Out:
1 2 3
H₂O
S

Gallon Test: _____

SERVICE NOTES:

This is to certify that: _____

Employee (Printed Name)

EMPLOYEE SIGNATURE: _____

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator

Landfill Services, LLC

Delaware Basin Landfill
 Suite 300
 219

Customer Copy



Northern Delaware Basin Landfill
 2029 West NM Hwy 128
 Jai NM 88252

WASTE TICKET

Ticket # 338938
 Start: 07/25/2025 06:12 PM
 End: 07/25/2025 06:18 PM
 By: owl.lisanda

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil	20	0	20	\$0.01

Hauler: Nighthawk
 Driver: Luis Vega
 Lease: Harron East Site
 Well: N/A
 AFE #: 12739
 County: State: LEA (NM)
 API #: N/A
 Manifest #: 0449980
 Client Company Name: Cdo York
 Rig Name & Number: N/A
 Trucking Co Ticket #: N/A
 Truck Type: Belly Dumps
 UDM: Cutd
 UDM Count: 20
 PF Test Result: Pass
 H2S Test: Pass

H2S Testing - PASS	1	0	1	\$0.00	\$0.00
Paint Filter - PASS	1	0	1	\$0.00	\$0.00
NORM - PASS	1	0	1	\$0.00	\$0.00
Additional Photos	1	0	1	\$0.00	\$0.00
24			0.0 lbs	\$0.01	\$0.20
SUBTOTAL				\$0.20	\$0.20
TAX				\$0.01	\$0.21
ROUNDING				\$0.00	\$0.21
TOTAL				\$0.21	\$0.21

Customer: BTA Oil Producers, LLC

COMPANY

SIGNATURE:

COMPANY MAN EMAIL:

COMPANY MAN PHONE:

MANIFEST #

338980

DATE: 7/25/25

PHONE:

QUANTITY:

☐ BBLs☐ YARDS

WELL #:

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Oil Based Cuttings (WET)☐ Water Based Cuttings (WET)☐ Drilling Base Mud☐ Shale Inert☐ Contaminated Soil☐ Injectable Fluids☐ Muds w/Cement☐ Produced Sands☐ Non-Injectable Fluids☐ Tank Bottoms

Authorize Washout?

☐ Yes☐ No

Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load

derived from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts waste on a case-by-case basis only)

non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA 40 CFR, part 261, subpart D, as amended. The following documentation must be attached to the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)

Hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste and a description of that waste must accompany this form)

Date: 7/25/25 Signature:

BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT

YARD #:

WHP #:

TRUCK #:

TICKET #:

ROLL OFF BIN#:

TRAILER #:

☐ AM

DISPATCHER

DISPATCHER

☐ PM

NAME:

PHONE #:

must be signed by the truck driver prior to unloading at disposal facility:

BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."

DRIVER'S SIGNATURE:

Luis Vega

INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

TO BE COMPLETED BY OWL LANDFILL EMPLOYEES

DATE: 7/25/25

TIME IN: 6:17

AM/PM

TIME OUT:

AM/PM

WASHOUT BY:

WASHOUT:

TIME IN:

TIME OUT:

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A
 TCLP: PASS FAIL N/A
 TOX: PASS FAIL N/A

NORM TESTING:

(Less than 50 MCR)

H₂O

Shake Out:

1	2	3

338938

Gallon Test:

SERVICE NOTES:

This is to certify that:

Employee (Printed Name)

EMPLOYEE SIGNATURE:

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

White Copy: Disposal Facility

Yellow: Transporter

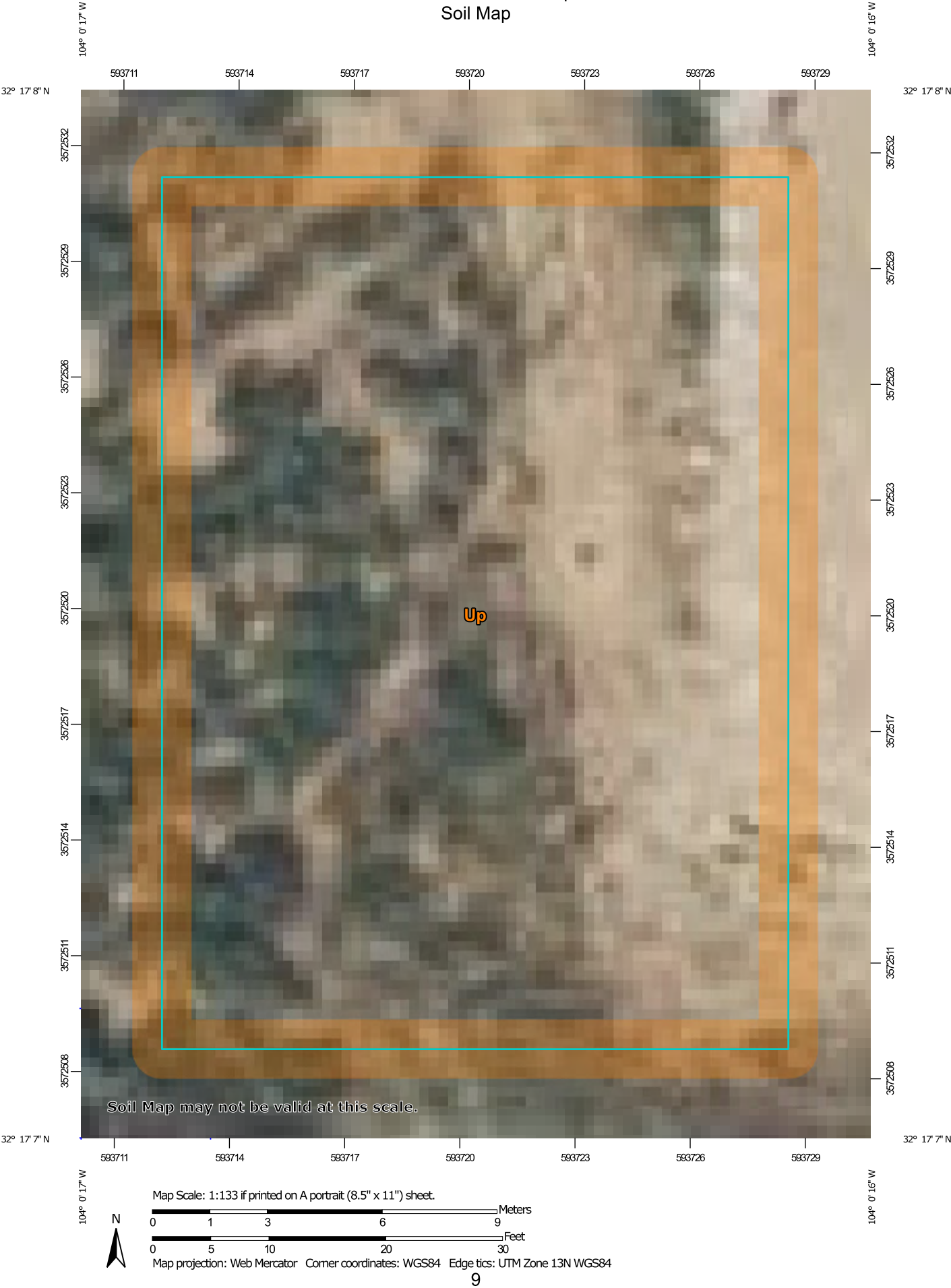
Pink: Generator

nAPP2202845563 Closure Report
Harroun Ranch East Tank Battery Release

BTA Oil Producers, LLC
October 6, 2025

ATTACHMENT 8 – SEED MIX

Custom Soil Resource Report
Soil Map



10

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

Custom Soil Resource Report

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Up	Upton soils, 0 to 1 percent slopes	0.1	100.0%
Totals for Area of Interest		0.1	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Custom Soil Resource Report

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Custom Soil Resource Report

Eddy Area, New Mexico**Up—Upton soils, 0 to 1 percent slopes****Map Unit Setting**

National map unit symbol: 1w68
Elevation: 1,100 to 4,400 feet
Mean annual precipitation: 7 to 14 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 200 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Upton and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Upton**Setting**

Landform: Ridges, fans
Landform position (three-dimensional): Side slope, rise
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 8 inches: gravelly loam
H2 - 8 to 18 inches: gravelly loam
H3 - 18 to 40 inches: cemented
H4 - 40 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high
 (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.9 inches)

Interpretive groups

Land capability classification (irrigated): 4s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Custom Soil Resource Report

Minor Components

Atoka

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Upton

Percent of map unit: 1 percent

Ecological site: R070BC025NM - Shallow

Hydric soil rating: No

References

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
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- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

(26)

BLM SERIAL #:

COMPANY REFERENCE:

3.1 Seed Mixture 1, for Loamy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (small/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains lovegrass (<i>Eragrostis intermedia</i>)	0.5
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sideoats grama (<i>Bouteloua curtipendula</i>)	5.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 512480

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 512480
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2202845563
Incident Name	NAPP2202845563 HARROUN EAST TANK BATTERY @ FAPP2129830694
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2129830694] Harroun Ranch East

Location of Release Source

Please answer all the questions in this group.

Site Name	HARROUN EAST TANK BATTERY
Date Release Discovered	01/27/2022
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: Equipment Failure Dump Line Produced Water Released: 275 BBL Recovered: 200 BBL Lost: 75 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Failure of water line used to fill water tank. Water Line failed at coupling and allowed water to spray inside and outside of lined containment. Water was recovered from the containment and some areas of accumulation on the battery pad next to a containment failure and outside of the battery pad along a pipeline right-of-way and a flare pad.

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

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 512480

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 512480
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetrattech Email: Samantha.allen@tetrattech.com Date: 10/06/2025
--	---

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 512480

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 512480
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 100 and 200 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 100 and 200 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	59200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	18555.3
GRO+DRO (EPA SW-846 Method 8015M)	15865.3
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/14/2025
On what date will (or did) the final sampling or liner inspection occur	07/28/2025
On what date will (or was) the remediation complete(d)	09/03/2025
What is the estimated surface area (in square feet) that will be reclaimed	660
What is the estimated volume (in cubic yards) that will be reclaimed	98
What is the estimated surface area (in square feet) that will be remediated	15207
What is the estimated volume (in cubic yards) that will be remediated	670
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Oil Conservation Division
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QUESTIONS, Page 4

Action 512480

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 512480
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fJEG1635837366 OWL LANDFILL JAL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetrattech Email: Samantha.allen@tetrattech.com Date: 10/06/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 512480

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 512480
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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Action 512480

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 512480
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	487142
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/24/2025
What was the (estimated) number of samples that were to be gathered	45
What was the sampling surface area in square feet	12176

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	15207
What was the total volume (cubic yards) remediated	670
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	660
What was the total volume (in cubic yards) reclaimed	98
Summarize any additional remediation activities not included by answers (above)	From July 14 to September 3, 2025, Tetra Tech personnel were onsite to supervise the additional remediation activities, including excavation, disposal, confirmation sampling, and final backfill. Areas were excavated to a maximum depth of 5 feet below the surrounding grade. Per the NMOCD-approved Alternative Confirmation Sampling Plan, confirmation samples were collected such that each discrete sample (sidewall and floor) was representative of no more than 400 square feet of excavated area. A total of thirty-five (35) confirmation floor sample locations and nineteen (19) confirmation sidewall sample locations were used during additional remedial activities. The following summarizes the New Mexico Oil Conservation Division (NMOCD) approved variances related to site remediation activities, including background concentration application, confirmation sampling protocols, and allowances for residual chloride concentrations based on site-specific conditions and groundwater protection criteria: • Variance #1 to apply the agreed-upon background values for three locations (FS-049, FS-140, and FS- 151) and to forgo remediation in these areas was approved on June 17, 2025. • Variance #2 for an alternative confirmation sampling plan was approved for sampling at 400 square feet per composite from the excavation floor and 200 square feet from sidewall samples on June 17, 2025. • Variance #3 to leave soils with slightly elevated chloride in place at FS-31 based on groundwater being highly influenced by adjacent salt lakes, was determined unnecessary. The water was proven unprotectable on September 3rd, 2025; therefore, the vertical extent had been reached, and no variance was needed. • Variance #4 to leave the remaining soil chloride concentrations in place below 4 feet bgs in the areas of FS-1, FS-3, FS-5, FS-6, and FS-10 was approved on August 27, 2025

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: Samantha Allen Title: Tetrattech Email: Samantha.allen@tetrattech.com Date: 10/06/2025
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Action 512480

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 512480
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	660
What was the total volume of replacement material (in cubic yards) for this site	100
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	09/03/2025
Summarize any additional reclamation activities not included by answers (above)	To restore the impacted surface areas to the condition that existed prior to the release, the excavated area in the pasture has been backfilled with clean topsoil. The disturbed areas have been graded back to match the surrounding topography and the pre-existing conditions prior to contouring to provide erosion control, long-term stability, prevent ponding of water, and preserve surface water flow patterns. Subsequent to restoring topography and contouring the disturbed areas, disturbed pasture areas of the Site were seeded with New Mexico State Land Office (NMSLO) Loamy (L) Sites Seed Mixture to aid in vegetation growth to complete reclamation in accordance with the Site soil profile detailed above in the Site Characterization Section.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetrattech Email: Samantha.allen@tetrattech.com Date: 10/06/2025

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Action 512480

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 512480
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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CONDITIONS

Action 512480

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 512480
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation closure and reclamation report approved. Release resolved. Pending re-vegetation report.	12/8/2025