



April 16, 2026

New Mexico Oil Conservation Division

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

**Re: Deferral Request
Sharps Battery
Incident Number nAPP2521159402
Hilcorp Energy Company
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), has prepared the following *Deferral Request* for the Sharps Battery (Site). This Deferral Request provides additional information requested in a denial by the New Mexico Oil Conservation Division (NMOCD) of a previously submitted *Remediation Work Plan* (Work Plan), submitted on February 9, 2026. In the denial, NMOCD expressed concern that the *Work Plan* did not provide full delineation at Site, an estimated volume of impacted material to be remediated, a proposed remediation technique, and timeline for remediation activities. As such, Hilcorp is providing the additional information requested by NMOCD and, after evaluation of the soil type and review of safe excavation distances, submitting this *Deferral Request*, describing Site assessment, delineation, and excavation activities that have occurred at the Site. Hilcorp is requesting deferral of remediation for Incident Number nAPP2521159402 until the Site is reconstructed, and/or the well pad is abandoned.

SITE BACKGROUND

The Site is located in Unit N, Section 13, Township 20 South, Range 38 East, in Lea County, New Mexico (32.567442°, -103.103856°) and is associated with oil and gas exploration and production operations on private land.

On July 29, 2025, Hilcorp personnel discovered a release of approximately 144 barrels (bbls) of crude oil at the Site. Specifically, while conducting a routine Site inspection, a Hilcorp operator observed a visibly impacted area adjacent to an aboveground storage tank (AST). Upon further inspection, it was determined a pinhole leak had formed near the nipple weld on the south side of the AST due to corrosion. Upon discovery, a vacuum truck was dispatched to Site to recover free-standing fluids; approximately 58 bbls of released fluids were recovered. The released fluids did not migrate horizontally outside of secondary containment. Hilcorp reported the release to the NMOCD via *Notification of Release* (NOR) on July 30, 2025, and an *Initial C-141 Application* (Form C-141) on August 15, 2025. The release was assigned Incident Number nAPP2521159402.

As documented in the February 9, 2026 *Work Plan* report, initial response efforts were initiated to address the release. Initial delineation activities were attempted; however, refusal was encountered during advancement. As a result, initial excavation activities were subsequently conducted to address the release, with crews working around existing production equipment to remove impacted soil from

Hilcorp Energy Company
Deferral Request
Sharps Battery

within the secondary containment. Excavation progressed to the maximum extent practicable (MEP) within the limitations imposed by the current site layout. An estimated total of approximately 20 cubic yards of impacted soil was removed and hauled off for proper disposal. Due to limited Site access with surrounding production equipment, a core drill was utilized to further assess conditions and delineate remaining impacts.

On March 17, 2026, NMOCD denied the February 9, 2026, *Work Plan* report for the following reasons:

1. *Was not fully delineated per 19.15.29.11 New Mexico Administrative Code (NMAC).*
2. *Did not provide an estimated volume of impacted material to be remediated per 19.15.29.12C (1c) NMAC.*
3. *No proposed remediation technique given per 19.15.29.12C (1d) NMAC.*
4. *No proposed timeline given for remediation activities per 19.15.29.12C (1e) NMAC.*

In addition, Hilcorp has 90 days (June 15, 2026) to submit to NMOCD its appropriate or final remediation closure report.

ENGINEERING REVIEW

The Site was assessed by a person trained in Occupational Safety and Health Administration (OSHA) excavation and trench safety (Competent Person) under the consultation of a Registered Professional Engineer (RPE) licensed in the State of New Mexico. Soil type B was observed in the inaccessible area, a 71-foot by 30-foot section directly adjacent to and beneath active production equipment. Immediately adjacent to the deferred soil is an engineered earthen containment and three circular fluid tanks.

Based on the Site conditions and following OSHA Excavation Standards, the RPE recommendation indicates excavation should not be completed within 16 feet from the edge of the tanks within the earthen containment. As such, the excavation should not be extended closer to the equipment or made deeper while maintaining the safety of all onsite personnel and the structural integrity of the active production equipment as determined by the RPE.

A detailed description of the review and calculations is included in the Excavation Guidance Document in Appendix A. The Excavation Guidance Document is stamped by an RPE licensed in the state of New Mexico.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the NMAC. Results from the characterization desktop review are presented below and potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well (USGS 323415103061801) is located approximately 0.25 miles north of the Site with a reported depth to groundwater of 33.97 feet bgs and most recent water level measurement from January 31, 1996. Ground surface elevation at this well location is 3,576 feet above mean sea level (amsl), which is congruent with the elevation at the Site. An additional groundwater well (L-10055-POD1) is located 0.34 miles southwest of the Site with depth to groundwater at 30 feet bgs and most recent water level measurement from December 29, 1988. The referenced Well Records are included in Appendix B.

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The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash, located approximately 3,485 feet northeast of the Site. The Site is greater 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 greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

Based on the results of the Site Characterization desktop review and the NMOCD recommendation of recent groundwater data within last 25 years, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

DELINEATION SOIL SAMPLING ACTIVITIES

On August 8, 2025, Ensolum personnel visited the Site to evaluate the release extent and conduct delineation activities based on information provided by Hilcorp and visual observations. The secondary containment area and release extent were mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Four delineation boreholes (BH-01 through BH-04) were advanced via hand auger within the release extent, reaching refusal at depths between 2 and 3 feet bgs. Discrete delineation soil samples were collected from each borehole at depths ranging from ground surface to 3 feet bgs. All soil samples collected were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. Field screening results for soil samples from BH-01 through BH-04 indicated TPH concentrations exceeded Closure Criteria; therefore, these soil samples were not submitted for laboratory analysis.

Following initial site assessment and delineation activities, initial excavation efforts were conducted, with crews working around existing production equipment to remove impacted soil from within the secondary containment. Excavation progressed to the MEP within the limitations imposed by the current site layout. An estimated total of approximately 20 cubic yards of impacted soil was removed and hauled off for proper disposal. Due to limited Site access with surrounding production equipment, a core drill was utilized to further delineate remaining impacts.

Between January 9, 2026, and February 6, 2026, Ensolum personnel returned to the Site to oversee additional delineation soil sampling utilizing a hand-held core drill. Six delineation boreholes (BH05 through BH10) were advanced within and around the secondary containment to define the vertical and lateral extent of the release. Soil samples collected from these delineation boreholes were field screened for VOCs and chlorides using the same methods described previously. The delineation soil sample locations are depicted in Figure 2. Photographic documentation of Site activities is included in Appendix C. Field screening results and observations were logged on a lithologic/soil sampling log, which is included in Appendix D.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported

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under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Methods SM4500.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples BH05 and BH06, collected from within the secondary containment, indicated BTEX, TPH and/or chloride concentrations exceeded the Closure Criteria at shallow intervals but were compliant at depths between 5.5 and 6 feet bgs, successfully defining the vertical extent of the release within the tank battery containment. Delineation soil samples BH07 through BH10, collected from outside the secondary containment at depth ranging from 0.5 feet to 6 feet bgs, indicated all COCs were compliant with Site Closure Criteria, successfully defining the lateral extent of the release. As indicated by the delineation analytical results, the vertical and lateral extents of the release are defined, and the secondary containment is operating as intended. Laboratory analytical results are summarized in Table 1, and the laboratory analytical reports are included in Appendix E.

DEFERRAL REQUEST

Due to the presence of active production equipment within the release extent, the remaining impacted soil, indicated by delineation boreholes BH05 and BH06, could not be accessed and safely excavated. All accessible impacted soil was removed to the MEP. The estimated volume of impacted soil left in place measures approximately 611 cubic yards in a 2,750 square foot area, assuming a depth of 6 feet bgs based on analytical results of BH05B. The lateral extent of impacted soil is limited to the area within secondary containment, adjacent to and directly beneath active production equipment where remediation would require a major facility deconstruction. The requested deferral area has been vertically defined by soil samples BH05B and BH06B collected at depths of 5.5 to 6 feet bgs, and laterally defined by BH07/BH07B, BH08/BH08B, BH09/BH09B, and BH10/BH10B. The proposed deferral area and all delineation soil samples used to define the deferral area are depicted on Figure 3.

Hilcorp does not believe deferral will result in imminent risk to human health, the environment, or groundwater. The entirety of the release remained on pad within the secondary containment, and all delineation soil samples collected from outside the secondary containment indicated all COCs were below Closure Criteria. Based on the presence of active production equipment and production pipelines within the release area and the complete lateral and vertical definition of impacted soil remaining in place, Hilcorp requests deferral of final remediation for Incident Number nAPP2521159402 until the Site is reconstructed, and/or the well pad is abandoned, whichever occurs first.

If you have any questions or comments, please contact Ms. Kalei Jennings at (817) 683-2503 or kjennings@ensolum.com.

Sincerely,
Ensolum, LLC



Alex Ferrell
Staff Geologist



Kalei Jennings
Senior Managing Scientist

Hilcorp Energy Company
Deferral Request
Sharps Battery

cc: Billy Ginn, Hilcorp Energy Company

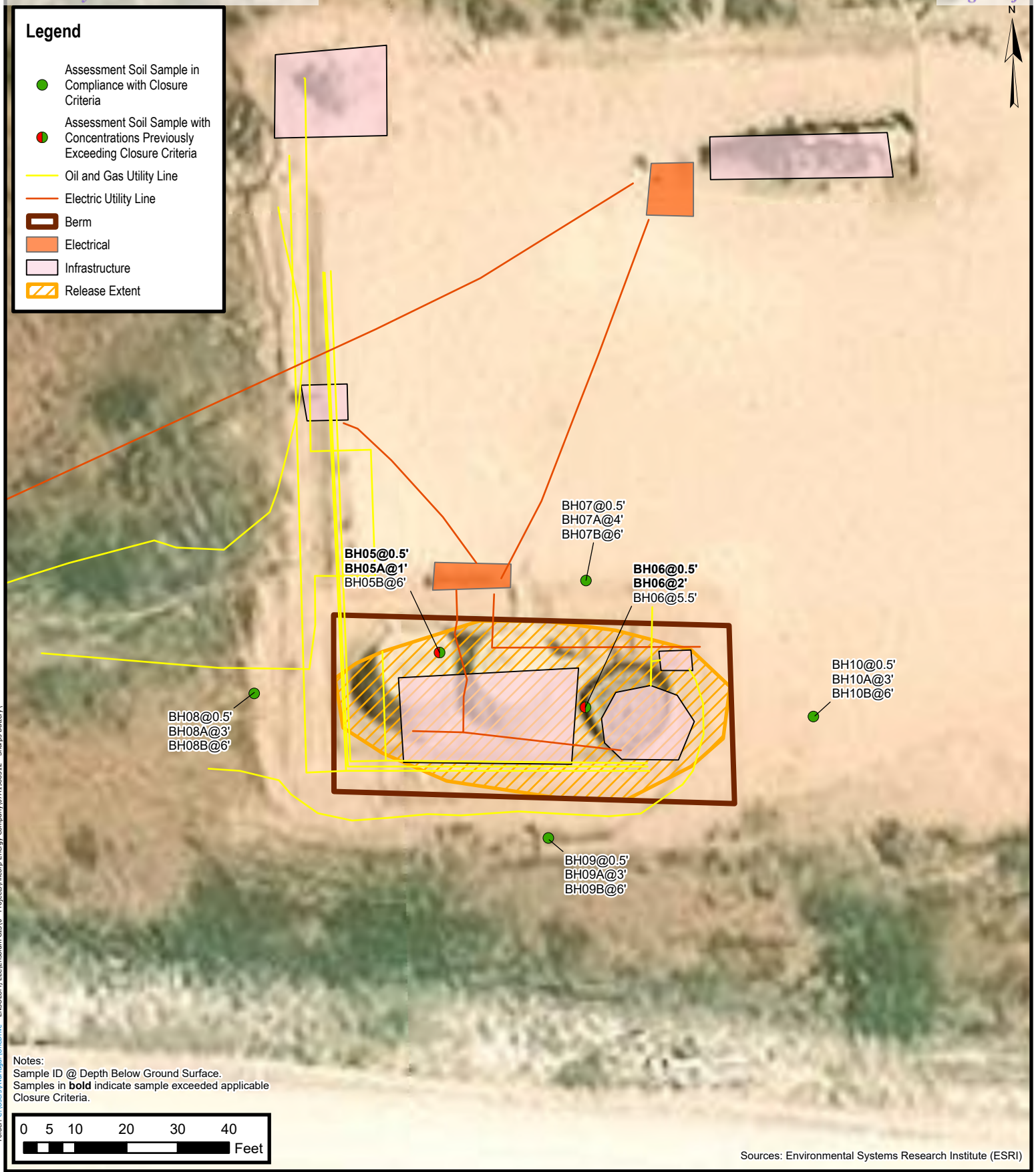
Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Deferral Area Map
Table 1	Soil Sample Analytical Results
Appendix A	Excavation Guidance Document
Appendix B	Referenced Well Records
Appendix C	Photographic Log
Appendix D	Lithologic / Soil Sampling Logs
Appendix E	Laboratory Analytical Reports



FIGURES





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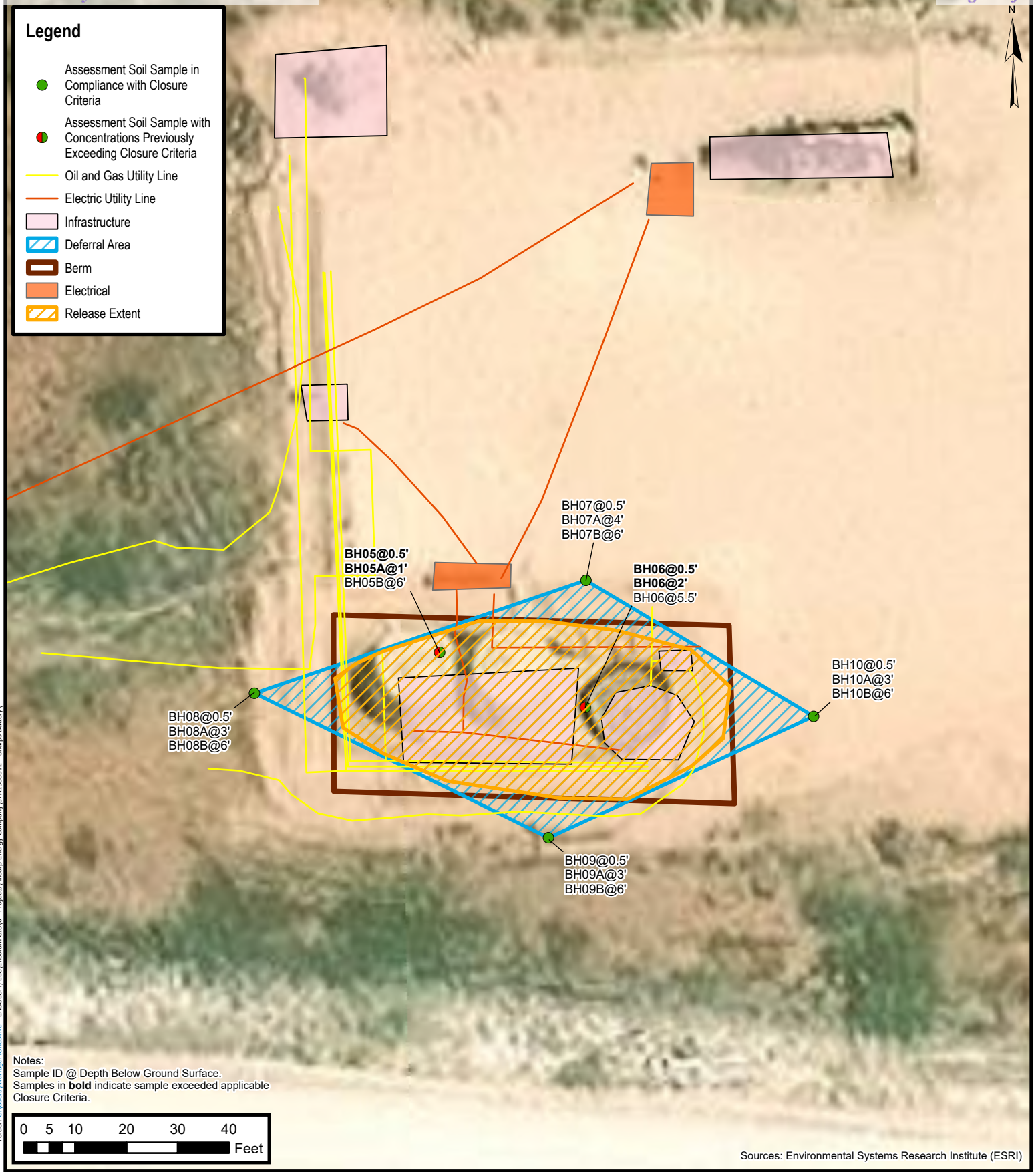
Sources: Environmental Systems Research Institute (ESRI)



Assessment Soil Sample Locations

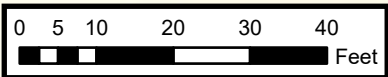
Hilcorp Energy Company
 Sharps Battery
 Incident Number: nAPP2521159402
 Unit N, Section 13, Township 20 South, Range 38 East
 Lea County, New Mexico

FIGURE
2



- Legend**
- Assessment Soil Sample in Compliance with Closure Criteria
 - Assessment Soil Sample with Concentrations Previously Exceeding Closure Criteria
 - Oil and Gas Utility Line
 - Electric Utility Line
 - Infrastructure
 - Deferral Area
 - Berm
 - Electrical
 - Release Extent

Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in **bold** indicate sample exceeded applicable Closure Criteria.



Sources: Environmental Systems Research Institute (ESRI)

Deferral Area Map
 Hilcorp Energy Company
 Sharps Battery
 Incident Number: nAPP2521159402
 Unit N, Section 13, Township 20 South, Range 38 East
 Lea County, New Mexico

FIGURE
3



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Sharps Battery Hilcorp Energy Company Lea County, New Mexico										
Sample Designation	Date	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
Delineation Soil Samples										
BH05	01/09/2026	0.5	1.55	51.3	2,000	11,800	1,580	13,800	15,380	1,710
BH05A	01/09/2026	1	1.02	33.4	868	4,670	690	5,538	6,228	992
BH05B	01/09/2026	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
BH06	01/09/2026	0.5	<0.500	77.5	1,550	9,290	1,180	10,840	12,020	48.0
BH06A	01/09/2026	2	0.897	60.7	904	3,300	472	4,204	4,676	368
BH06B	01/09/2026	5.5	<0.050	<0.300	<10.0	23.3	<10.0	<10.0	<10.0	80.0
BH07	01/09/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
BH07A	01/09/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
BH07B	01/09/2026	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
BH08	02/06/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH08A	02/06/2026	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH08B	02/06/2026	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH09	01/16/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH09A	01/16/2026	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH09B	01/16/2026	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH10	02/05/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH10A	02/05/2026	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH10B	02/05/2026	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.



APPENDIX A

Excavation Guidance Document



March 10, 2026

New Mexico Oil Conservation Division

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

**Re: Excavation Guidance Document
Sharps Battery
Incident Number nAPP2521159402
Hilcorp Energy Company
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum) has prepared this document on behalf of Hilcorp Energy Company (Hilcorp), to provide guidance on safety precautions related to the proposed excavation near existing production equipment. This guidance applies to the proposed excavation and applies only to the Sharps Battery (Site), for which a Deferral Area Map is attached as Figure 1.

This document has been prepared in accordance with the Occupational Safety and Health Administration (OSHA) Excavation Standard 29 Code of Federal Regulations (CFR) Part 1926 Sub-part P Section 1926.652(i) and 1926.652(j) and under the consultation of a Registered Professional Engineer (RPE). The document includes a review of the stability of adjacent structures and protection of employees from loose rocks, soil, and equipment and analysis of the following parameters:

- Soil types and conditions leading to cave-ins;
- Stability of engineered facility equipment with requested excavation;
- Protection of employees from materials and equipment that could fall or roll into an excavation; and
- Other hazardous conditions, including confined spaces.

This guidance document must be reviewed before starting any proposed excavation activities and kept on site if excavation activities are occurring. In addition, a copy of the OSHA Excavation Standard 29 CFR Part 1926 Sub-part P will be kept on site.

Review of OSHA Excavation Standards indicates the following guidance for general excavation activities:

- The walls of any excavated areas must be sloped to a maximum 1 horizontal to 1 vertical for Type B soils.
- If Type C soils are encountered, excavated areas must be sloped to a maximum 1.5 horizontal to 1 vertical.
- OSHA Excavation Standard 29 CFR Part 1926 Sub-part P indicates the following:
 - Excavation below the level of the base or footing of any foundation or retaining wall poses a reasonable hazard to employees and should not be conducted without the removal of

Hilcorp Energy Company
Excavation Guidance Document
Sharps Battery

equipment adjacent to the proposed excavation and/or installation of physical safety measures such as shoring or other protective structures to prevent structural failure of the equipment foundation and to ensure safety to employees working near the proposed excavation.

- Employees shall be protected from excavated or other materials or equipment that could pose a hazard by falling or rolling into any excavation. Protection shall be provided by placing and keeping such materials or equipment at least two feet (0.61 m) from the edge of excavations, or by the use of retaining devices that are sufficient to prevent materials or equipment from falling or rolling into excavations, or by a combination of both if necessary.
- When surcharge loads from stored material or equipment, operating equipment, or traffic are present, a Competent Person shall determine the degree to which the actual slope must be reduced below the maximum allowable slope and shall assure that such a reduction is achieved. Surcharge loads from adjacent structures shall be evaluated in accordance with § 1926.651(i).

EXCAVATION ANALYSIS PARAMETERS

The following findings were observed at the Site:

- Soil type B was observed in the Site visit. Type B soil will be utilized for the recommendation. A competent person will inspect the site daily and note any changes in soil type. If type C soil is identified the excavation slope will be modified to account for this change.
- The area in question entails a polygon with maximum dimensions of 71 feet by 30 feet directly adjacent to and beneath production equipment as shown on Figure 2.
- The terminal depth of the proposed excavation was 5.5 feet bgs. If further excavation is required, the recommendations must be modified to account for this change.
- Below the central portion of the proposed excavation area are three circular fluid tanks supported by a circular base. The eastern tank, labeled PW Tank, measures 16 feet in diameter with a height of 6 feet. The central and western tanks, labeled Tank 1 and Tank 2, measure 15.5 feet in diameter with heights of 16 feet.
- Multiple pipelines directly span over the proposed excavation area. The pipelines lie directly on or minimally below the pad surface with diameters ranging from 2.5 inches to 4.5 inches for various lengths exceeding 10 times the width.
- The production pipeline and infrastructure supports throughout the entire proposed excavation area range in dimensions of two and a half inches in diameter up to fifteen inches wide by four feet long.
- An earthen berm surrounds the proposed excavation area. The earthen berm measures 5.5 feet in width and 2 feet in height.

ENGINEER RECOMMENDATIONS

Review of the above-mentioned parameters, OSHA regulations, and Site conditions observed during Site visits were completed and the following RPE recommendations were reached:

- Using the eastern PW tank structure bearing capacity in Boussinesq's circular footing equation, the bearing capacity would be undermined with slopes beginning less than 2 times the radius of the footing. The beginning of the slope should be limited to beginning no less than 16 feet from the edge of the structure footing without substantial supports added to the structure.

Hilcorp Energy Company
Excavation Guidance Document
Sharps Battery

- Using the western and central tank structures bearing capacity in Boussinesq’s circular footing equation, the bearing capacity would be undermined with slopes beginning less than 2 times the radius of the footings. The beginning of the slope should be limited to beginning no less than 15.5 feet from the edge of the structure footings without substantial supports added to the structure.
- The production pipelines that directly span over the proposed excavation area lie directly on or minimally below the pad surface. The lines, utilizing Boussineq’s strip footing equation, could be undermined with slopes beginning less than 1.8 feet from the center of the outer-most pipe. Review of the potential pipe stress and deflection during an excavation directly below pipelines, the pipelines can experience increased tension and compression causing increased hoop stress. Even if additional supports are installed in the process of excavation, the brief time they remain unsupported can cause pipe fatigue and eventually pipe failure. It is reasonable to assume that an increase in hoop stress and increase of pipe fatigue on the pipeline system can exceed the engineered parameters and lead to pipeline failure resulting in an additional release. It is not recommended to excavate directly below any of the pipelines.
- Stress to the soil below support structures can be estimated by the 2:1 Stress Distribution Model in the proposed excavation area. The beginning of the slope should be limited to beginning no less than 2 feet from the footing edge per above stated OSHA guidelines.
- Due to the presence of an earthen berm for spill control, excavation of the earthen berm is not recommended. Substantial additional spill controls shall be installed prior to deconstruction of the earthen berm to prevent a lapse of containment in the event of a failure leading to release.
- Various areas of the proposed excavation area between production equipment or pipelines, as identified in Figure 2, are accessible for potential excavation. Due to the maximum OSHA approved slope, no areas identified as accessible can successfully reach the proposed terminal depth of 5.5 feet bgs.

CONCLUSIONS

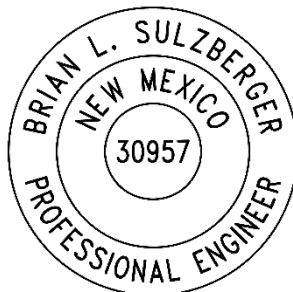
Based on the dimensions of the requested excavation and presence of adjacent structures, there is inadequate structure support to conduct excavation of the identified impacted soil in a manner that both protects personnel health and equipment stability.

Sincerely,

Ensolum, LLC

Brian Sulzberger
03/10/2026

Brian Sulzberger, PE
Senior Managing Engineer



cc: Billy Ginn, Hilcorp

Hilcorp Energy Company
Excavation Guidance Document
Sharps Battery

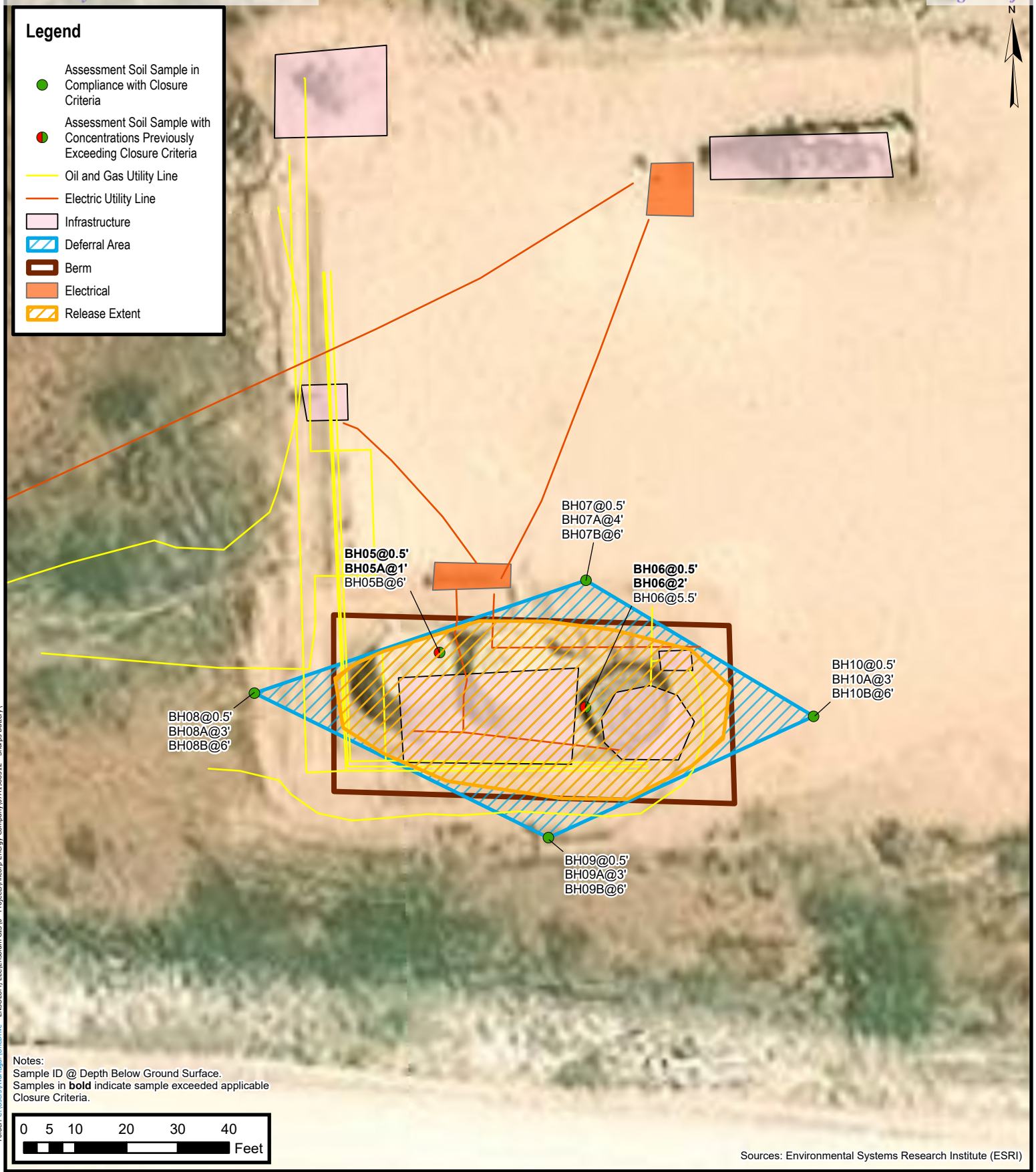
Appendices:

- Figure 1 Deferral Area Map
- Figure 2 Engineering Schematic
- Appendix A Engineering Models



APPENDIX A

Figures



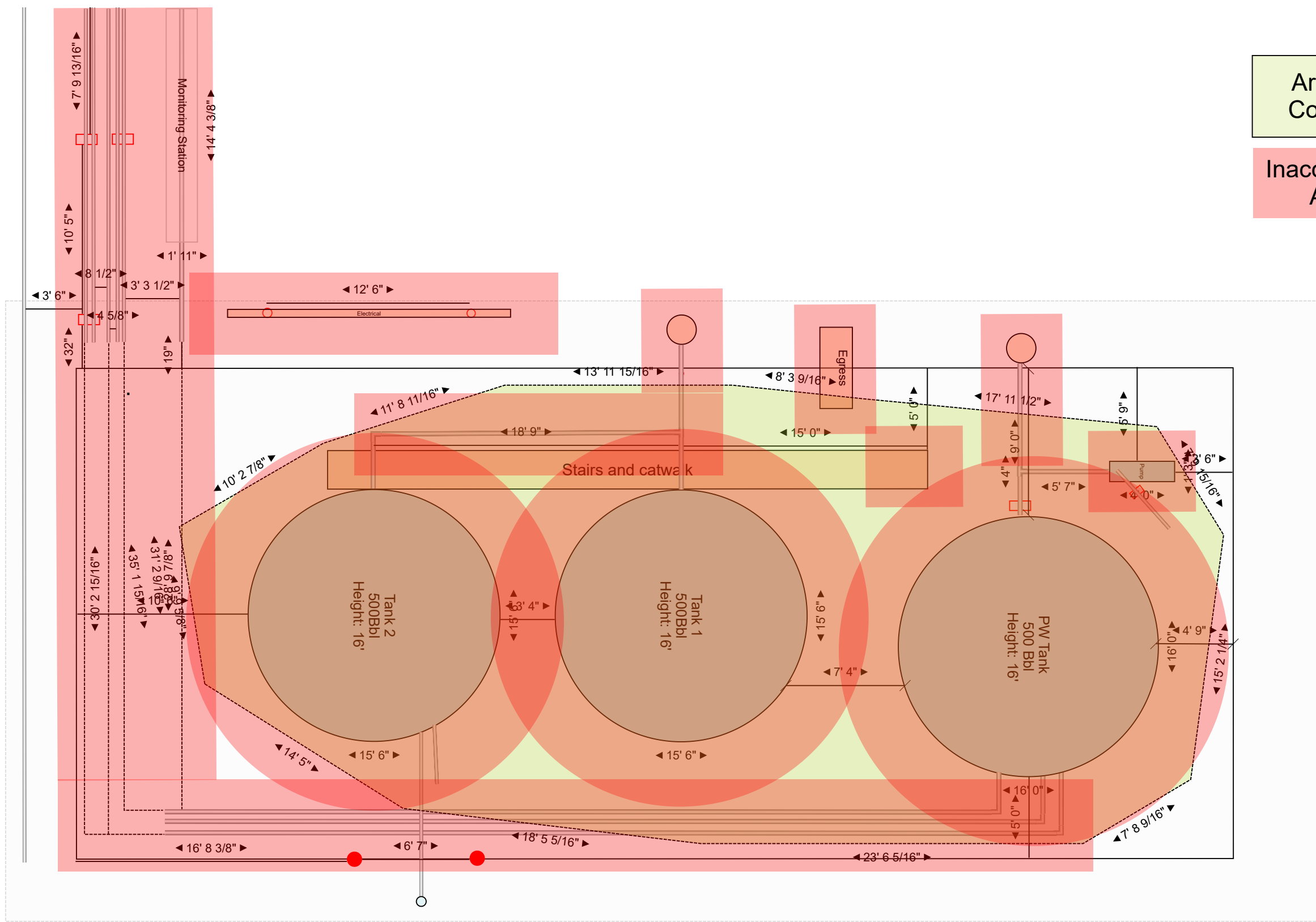
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Deferral Area Map
 Hilcorp Energy Company
 Sharps Battery
 Incident Number: NAPP2521159402
 Unit N, Section 13, Township 20 South, Range 38 East
 Lea County, New Mexico

FIGURE
3

Area of Concern
Inaccessible Area



Site: Hilcorp Energy Company - Sharps Battery	Drawing: 801506	Project: 07A1988312	Drawn: Tracy Hillard	Notes:	Ensolum, LLC 601 N. Marienfeld Ste 400 Midland, TX 79701
Title: Figure 2 - Engineering Schematic	Scale: 1/4":1'0"	Date: 03/06/2026	Rev: B		



APPENDIX A

Engineering Models

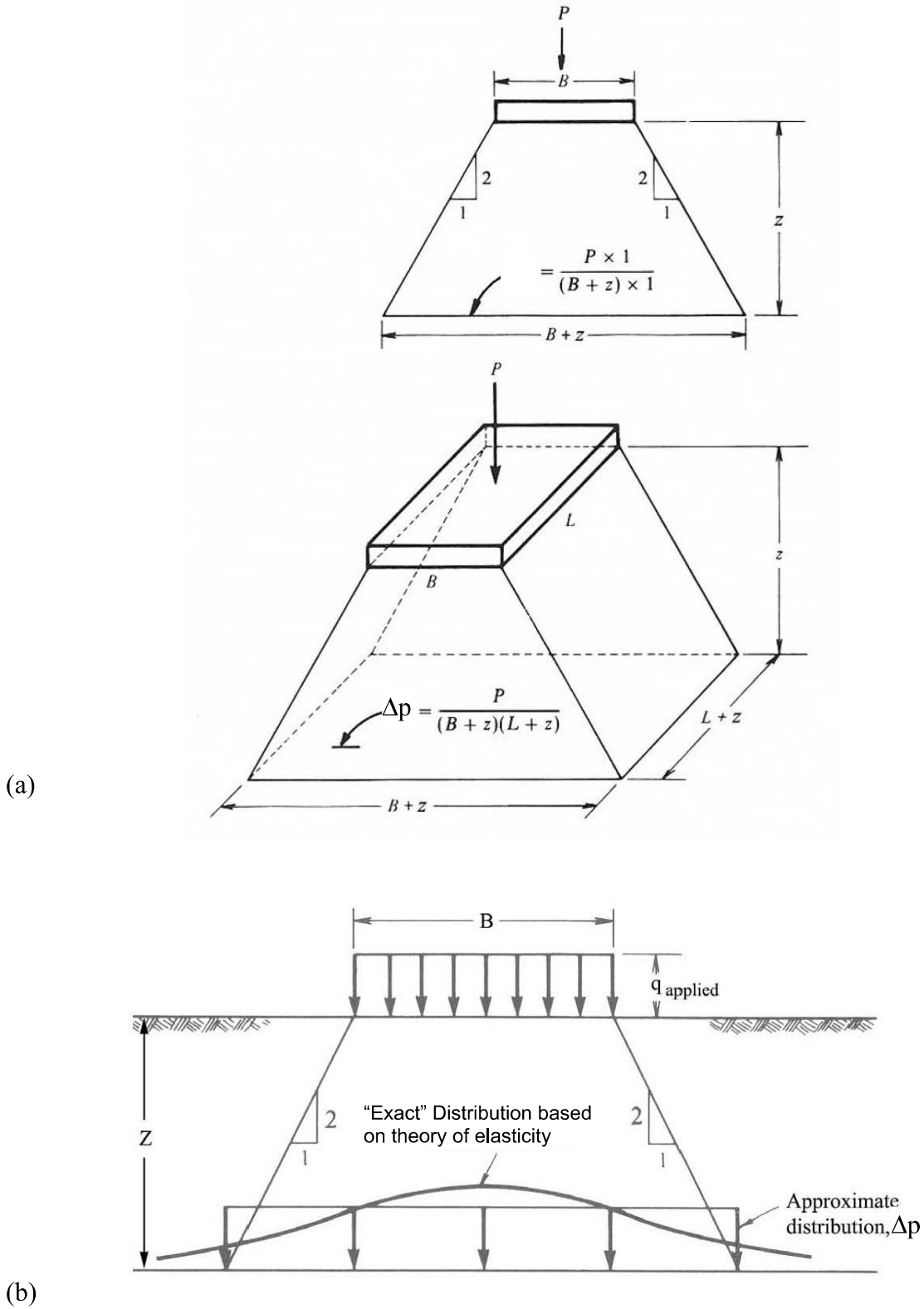


Figure 2-10. Distribution of vertical stress by the 2:1 method (after Perloff and Baron, 1976).

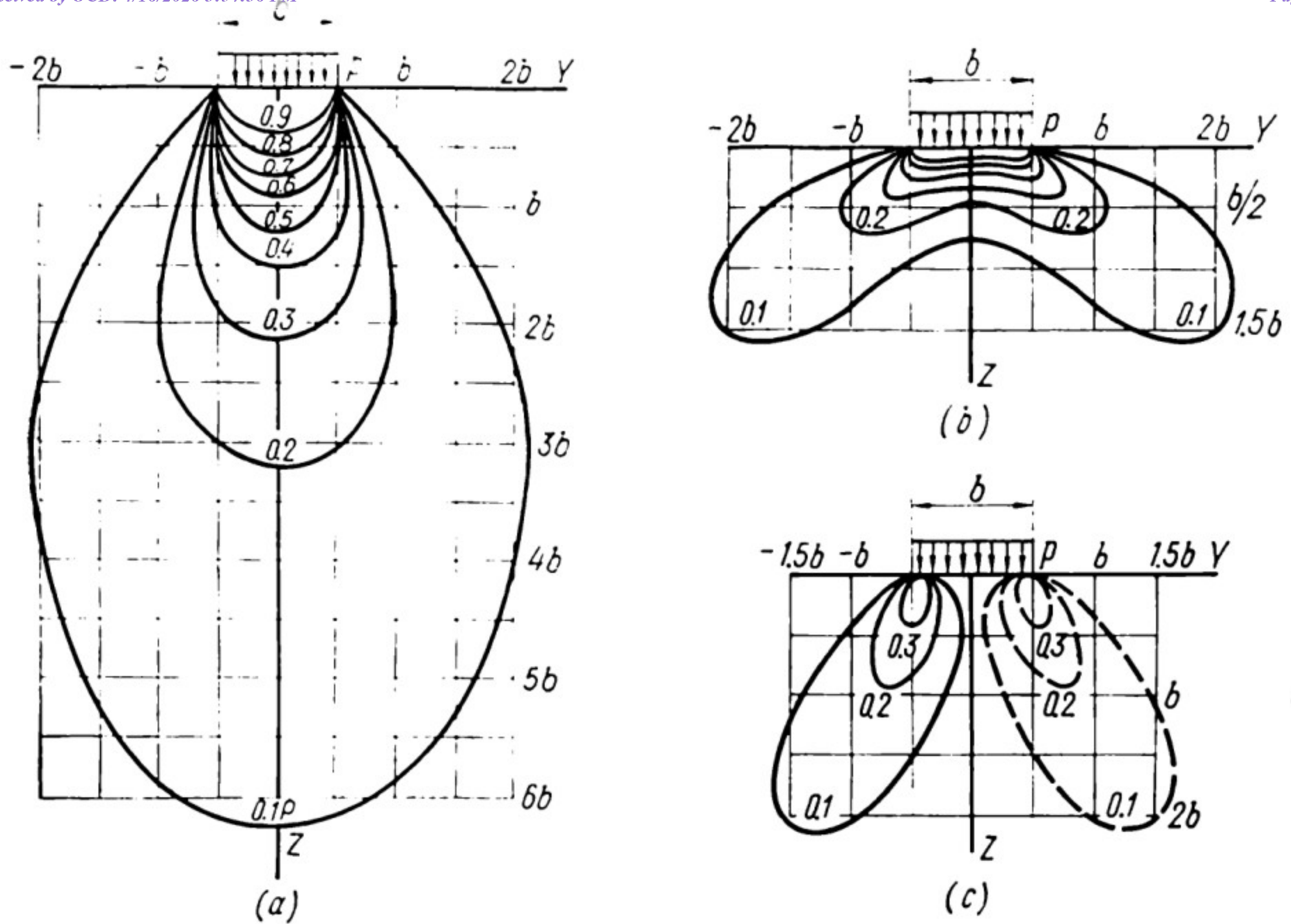
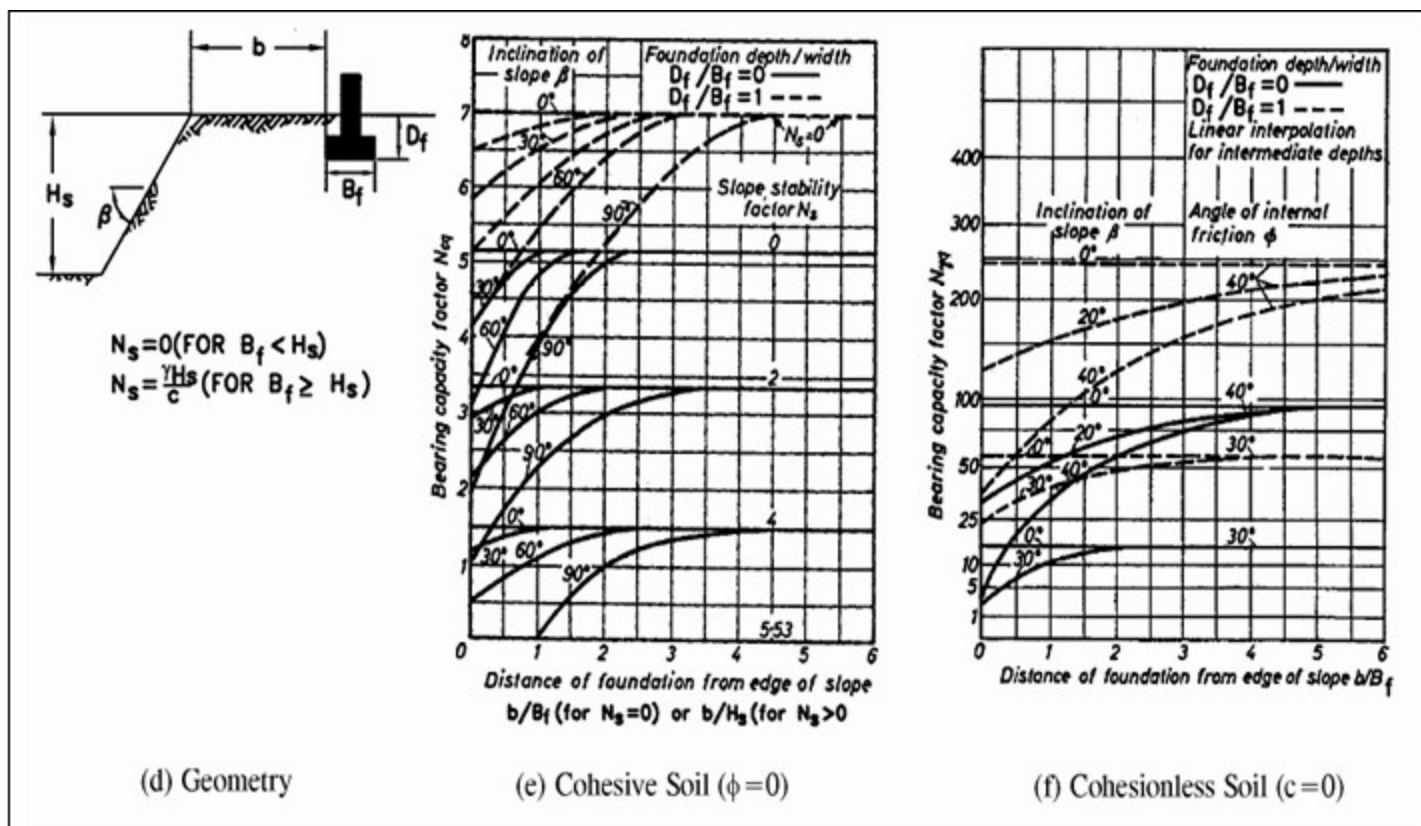


Fig. 49. Lines of equal stresses in a linearly deformable mass for the planar problem

(a) isobars σ_z ; (b) lateral pressure σ_{yy} ; (c) shears τ_{zx}



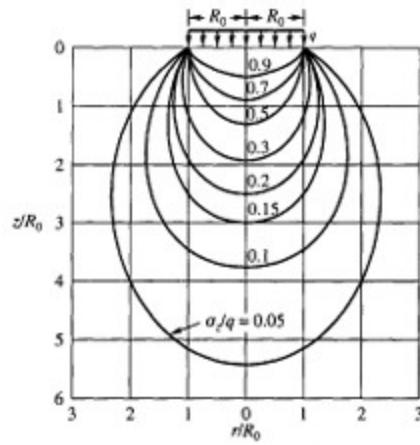


Figure 6.22 Pressure isobars based on Boussinesq equation for uniformly loaded circular footings



APPENDIX B

Referenced Well Records



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

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

Groundwater levels for the Nation

! Ground water level pages will be decommissioned in early 2026. These gwlevel pages are frozen as of November 18th, 2025. Please find the [modernized pages in WDFN](#) that suit you best. Learn more about our [modernization plans and timeline](#) and [new pages](#).

Search Results -- 1 sites found

site_no list =

- 323415103061801

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323415103061801 20S.38E.13.141224

Available data for this site

Lea County, New Mexico

Hydrologic Unit Code 12080003

Latitude 32°34'15", Longitude 103°06'18" NAD27

Land-surface elevation 3,571 feet above NAVD88

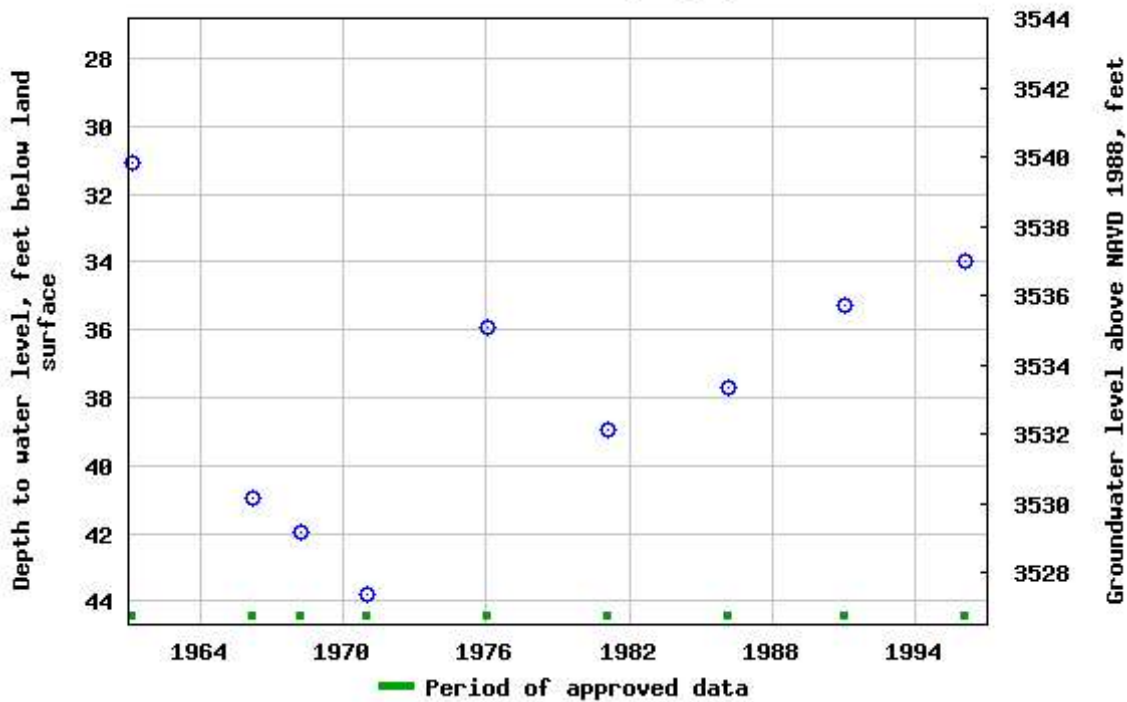
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

USGS 323415103061801 20S.38E.13.141224



Breaks in the plot represent a gap of at least one year between field measurements. [Download a presentation-quality graph](#)

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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2026-01-24 04:07:24 EST

0.8 0.64 nadww01

Revised June 1972

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Dallas McCasland Owner's Well No. 3
Street or Post Office Address P.O. Box 206
City and State Eunice, NM 88231

Well was drilled under Permit No. L-10,044 and is located in the:
SW $\frac{1}{4}$
a. $\frac{1}{4}$ ~~XXX~~ $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 24 Township 20S Range 38E N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.
d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor Dallas McCasland License No. WD 1196
Address P.O. Box 206, Eunice, NM 88231
Drilling Began 12-28-88 Completed 12-29-88 Type tools rotary Size of hole 6 $\frac{1}{4}$ in.
Elevation of land surface or _____ at well is _____ ft. Total depth of well 58 ft.
Completed well is shallow artesian. Depth to water upon completion of well _____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
46	54	8	Gray sand	3

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
4 $\frac{1}{2}$ " ID	2.0	PVC			20'	none	38	56

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
					None

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

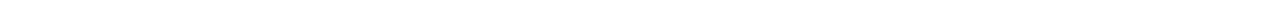
Date Received January 9, 1989 Quad _____ FWL _____ FSL _____
File No. L-10,044 #3 Use EXP. Location No. 20.38.24.11333

512434



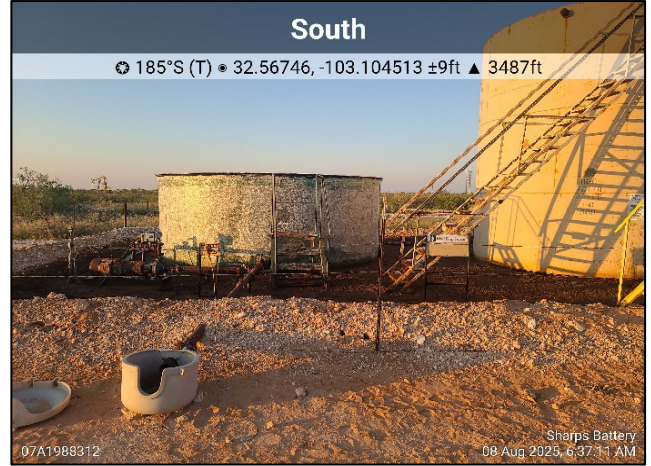
APPENDIX C

Photographic Log



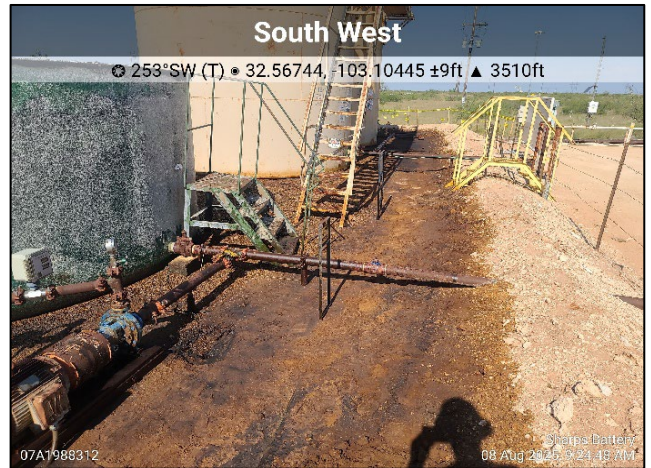


Photographic Log
Hilcorp Energy Company
Sharps Battery
Incident Number: nAPP2521159402



Photograph: 1 Date: 8/8/2025
Description: Soil staining in release footprint
View: West

Photograph: 2 Date: 8/8/2025
Description: Soil staining in release footprint
View: South



Photograph: 3 Date: 8/8/2025
Description: Soil staining in release footprint
View: East

Photograph: 4 Date: 8/8/2025
Description: Delineation activities
View: Southwest

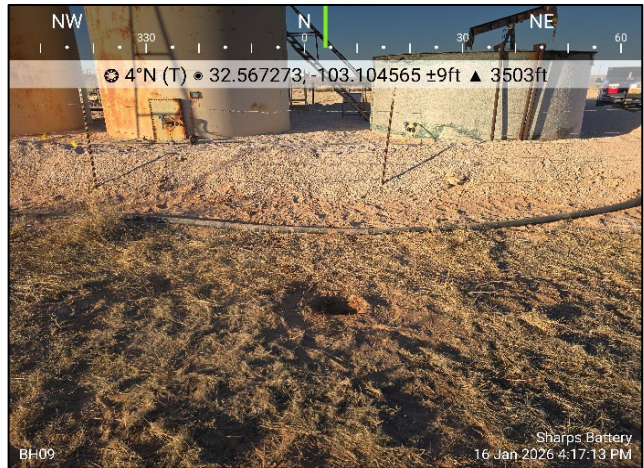


Photographic Log
Hilcorp Energy Company
Sharps Battery
Incident Number: nAPP2521159402



Photograph: 5 Date: 1/9/2026
Description: Delineation activities - BH05
View: East

Photograph: 6 Date: 1/9/2026
Description: Delineation activities - BH06
View: South

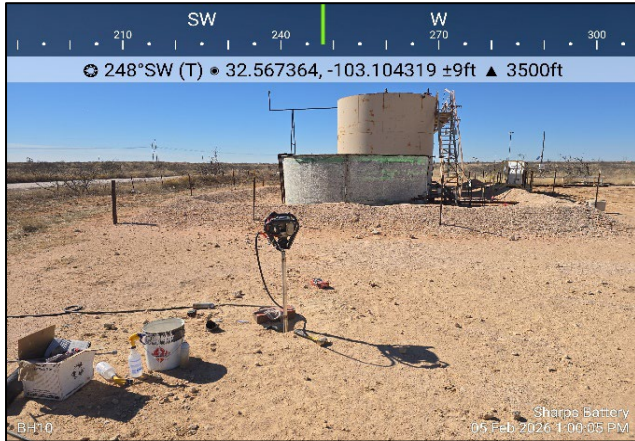


Photograph: 7 Date: 1/9/2026
Description: Delineation activities - BH07
View: South

Photograph: 8 Date: 1/16/2026
Description: Delineation activities - BH09
View: North



Photographic Log
Hilcorp Energy Company
Sharps Battery
Incident Number: nAPP2521159402



Photograph: 9 Date: 2/5/2026
Description: Delineation activities - BH10
View: Southwest

Photograph: 10 Date: 2/6/2026
Description: Delineation activities - BH10
View: West




Photograph: 11 Date: 2/6/2026
Description: Delineation activities - BH08
View: South


Photograph: 12 Date: 2/6/2026
Description: Delineation activities - BH08
View: Northeast





APPENDIX D


Lithologic / Soil Sampling Logs


								Sample Name: BH05	Date: 1/9/2026
								Site Name: Sharps Battery	
								Incident Number: nAPP2521159402	
								Job Number: 07A1988312	
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Alex Ferrell	Method: Core-drill
Coordinates: 32.567442, -103.103856								Hole Diameter: 1.5"	Total Depth: 6'
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M	2,391	556	Y	BH05	0.5	0	CCHE	[0-2'] CALICHE, light brown to off white, some sand and gravel, well graded, unconsolidated, strong diesel odor	
M	1,943	595	Y	BH05A	1	1			
M	1,814	147	Y	-	-	2	SP	[2-4'] SAND, dark brown, fine grained, little silt, poorly graded, unconsolidated, cohesive, low plasticity, no stain, strong chemical odor	
M	286	46.2	Y	-	-	3			
M	< 176	21.8	N	-	-	4	CCHE	[4-6'] CALICHE, light gray to light brown, some fine grained sand, very hard to moderately consolidated, no stain, no odor	
D	< 176	44.8	N	-	-	5			
	246	51.8	N	-	-	5.5			
M	246	11.6	N	BH05B	6	6			
Total depth at 6' BGS.									

								Sample Name: BH06	Date: 1/9/2026
								Site Name: Sharps Battery	
								Incident Number: nAPP2521159402	
								Job Number: 07A1988312	
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Alex Ferrell	Method: Core-drill
Coordinates: 32.567442, -103.103856								Hole Diameter: 1.5"	Total Depth: 6'
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M	< 176	553	Y	BH06	0.5	0	CCHE	[0-2] CALICHE, light brown to off white, some sand and gravel, well graded, unconsolidated, strong diesel odor	
M	< 176	719	Y	-	-	1			
M	< 176	1,690	Y	BH06A	2	2	SP	[2-5'] SAND, dark brown, fine grained, little silt, poorly graded, unconsolidated, cohesive, low plasticity, black stain, strong diesel to chemical odor	
M	< 176	1,479	Y	-	-	3			
M	< 176	1,315	Y	-	-	4			
D	< 176	10.1	N	-	-	5	CCHE	[5-5.5'] CALICHE, light gray to light brown, some fine grained sand, very hard, no stain, no odor	
D	< 176	10.2	N	BH06B	5.5	5.5			
Total Depth at 5.5' BGS.									

		Sample Name: BH07		Date: 1/9/2026				
		Site Name: Sharps Battery						
		Incident Number: nAPP2521159402						
		Job Number: 07A1988312						
LITHOLOGIC / SOIL SAMPLING LOG				Logged By: Alex Ferrell		Method: Core-drill		
Coordinates: 32.567442, -103.103856				Hole Diameter: 1.5"		Total Depth: 6'		
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	< 176	4.7	N	BH07	0.5	0	CCHE	[0-2] CALICHE, light brown to off white, some sand and gravel, well graded, unconsolidated
D	246	3.6	N	-	-	1		
M	330	2.1	N	-	-	2	SP	[2-4'] SAND dark brown, fine grained, little silt, poorly graded, unconsolidated, cohesive, low plasticity
M	246	1.8	N	-	-	3		
M	426	3.0	N	BH07A	4	4	CCHE	[4-6'] CALICHE, brown to off white, some fine grained sand and gravel, moderately consolidated, no stain, no odor
D	246	0.3	N	-	-	5		
D	213	3.5	N	BH07B	6	6		
Total depth at 6' BGS.								

								Sample Name: BH08	Date: 2/6/2026
								Site Name: Sharps Battery	
								Incident Number: nAPP2521159402	
								Job Number: 07A1988312	
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Mario Sarkis	Method: Core-drill
Coordinates: 32.567442, -103.103856								Hole Diameter: 1.5"	Total Depth: 6'
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
D	< 176	14.7	N	BH08	0.5	0	SP	[0-5'] SAND, reddish brown, fine grained silty sand, cohesive, non-plastic	
D	< 176	13.6	N	-	-	1			
D	< 176	9.5	N	-	-	2			
D	< 176	4.4	N	BH08A	3	3			
D	< 176	3.9	N	-	-	4			
D	< 176	11.6	N	-	-	5	CCHE	[5-6'] CALICHE, tan to white, clayey caliche, fine grained, cohesive, non-plastic	
D	< 176	3.4	N	BH08B	6	6			
Total depth at 6' BGS.									

								Sample Name: BH09	Date: 1/16/2026
								Site Name: Sharps Battery	
								Incident Number: nAPP2521159402	
								Job Number: 07A1988312	
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Mario Sarkis	Method: Core-drill
Coordinates: 32.567442, -103.103856								Hole Diameter: 1.5"	Total Depth: 6'
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
D	< 176	0.6	N	BH09	0.5	0	SP	[0-2'] SAND, reddish brown, fine grained silty to clayey sand, non-cohesive to cohesive, trace caliche, low plasticity at 2'	
D	< 176	0.2	N	-	-	1			
D	< 176	0.4	N	-	-	2	CCHE	[2-6'] CALICHE, tan to white, very fine to fine grained, consolidated; color change to dark tan from 4-6' with clayey sand	
D	< 176	2.5	N	BH09A	3	3			
D	< 176	0.5	N	-	-	4			
D	< 176	0.4	N	-	-	5			
D	< 176	0.1	N	BH09B	6	6			
Total depth at 6' BGS.									

								Sample Name: BH10		Date: 2/5/2026	
								Site Name: Sharps Battery			
								Incident Number: nAPP2521159402			
								Job Number: 07A1988312			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Mario Sarkis		Method: Core-drill	
Coordinates: 32.567442, -103.103856								Hole Diameter: 1.5"		Total Depth: 6'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	< 176	0.9	N	BH10	0.5	0	CCHE	[0.5-1'] CALICHE, pad caliche			
D	< 176	1.0	N	-	-	1	SP	[1-3'] SAND, reddish brown, fine grained clayey sand, cohesive, non-plastic			
D	< 176	1.5	N	-	-	2					
D	< 176	0.5	N	BH10A	3	3	CCHE	[3-6'] CALICHE, tan to white, some clayey sand, fine grained, cohesive, non-plastic, consolidated			
D	< 176	0.9	N	-	-	4					
D	< 176	0.8	N	-	-	5					
D	< 176	9.4	N	BH10B	6	6					
Total depth at 6' BGS.											



APPENDIX E

Laboratory Analytical Reports



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

January 15, 2026

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

RE: SHARPS BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/12/26 12:25.

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".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/12/2026	Sampling Date:	01/09/2026
Reported:	01/15/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH05 0.5' (H260156-01)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	1.55	0.500	01/12/2026	ND	1.82	90.9	2.00	4.67		
Toluene*	5.39	0.500	01/12/2026	ND	1.95	97.4	2.00	2.88	GC-NC1	
Ethylbenzene*	<0.500	0.500	01/12/2026	ND	1.96	98.2	2.00	3.29		
Total Xylenes*	44.4	1.50	01/12/2026	ND	5.82	97.0	6.00	3.40	GC-NC1	
Total BTEX	51.3	3.00	01/12/2026	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 168 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	01/12/2026	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	2000	50.0	01/13/2026	ND	186	93.2	200	5.35		
DRO >C10-C28*	11800	50.0	01/13/2026	ND	183	91.4	200	3.39		
EXT DRO >C28-C36	1580	50.0	01/13/2026	ND						

Surrogate: 1-Chlorooctane 244 % 52.4-130

Surrogate: 1-Chlorooctadecane 360 % 39.9-141

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, LLC
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/12/2026	Sampling Date:	01/09/2026
Reported:	01/15/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH05A 1' (H260156-02)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	1.02	0.500	01/12/2026	ND	1.82	90.9	2.00	4.67		
Toluene*	4.14	0.500	01/12/2026	ND	1.95	97.4	2.00	2.88	GC-NC1	
Ethylbenzene*	<0.500	0.500	01/12/2026	ND	1.96	98.2	2.00	3.29		
Total Xylenes*	28.2	1.50	01/12/2026	ND	5.82	97.0	6.00	3.40	GC-NC1	
Total BTEX	33.4	3.00	01/12/2026	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 146 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	01/12/2026	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	868	50.0	01/13/2026	ND	186	93.2	200	5.35		
DRO >C10-C28*	4670	50.0	01/13/2026	ND	183	91.4	200	3.39		
EXT DRO >C28-C36	690	50.0	01/13/2026	ND						

Surrogate: 1-Chlorooctane 132 % 52.4-130

Surrogate: 1-Chlorooctadecane 153 % 39.9-141

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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
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/12/2026	Sampling Date:	01/09/2026
Reported:	01/15/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH05B 6' (H260156-03)

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	01/12/2026	ND	1.82	90.9	2.00	4.67	
Toluene*	<0.050	0.050	01/12/2026	ND	1.95	97.4	2.00	2.88	
Ethylbenzene*	<0.050	0.050	01/12/2026	ND	1.96	98.2	2.00	3.29	
Total Xylenes*	<0.150	0.150	01/12/2026	ND	5.82	97.0	6.00	3.40	
Total BTEX	<0.300	0.300	01/12/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/12/2026	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2026	ND	186	93.2	200	5.35	
DRO >C10-C28*	<10.0	10.0	01/13/2026	ND	183	91.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 70.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.4 % 39.9-141

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC. Project Manager: Kalei Jennings Address: 3122 National Parks Hwy City: Carlsbad State: NM Zip: 88220 Phone #: 817-683-2503 Fax #: Project #: 07A1988312 Project Owner: Hilcorp Project Name: Sharps Battery Project Location: 32.567442, -103.103856 Sampler Name: Alex Ferrell		P.O. #: Company: Hilcorp Attn: Billy Ginn Address: City: State: Phone #: Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D.		ANALYSIS REQUEST	
Sample I.D.	Sample Depth	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME
BH05 BH05A BH05B	0.5' 1' 6'	G 1 G 1 G 1 X X X X X X X	1/9/2026 943 1/9/2026 945 1/9/2026 1513
BTEX 8021 TPH 8015 Chloride 4500		X X X X X X X X X	

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: *[Signature]* Received By: *[Signature]*
 Date: 1-12-26 Time: 1:35
 Date: *[Signature]* Received By: *[Signature]*
 Time: *[Signature]*

Delivered By: (Circle One) Observed Temp. °C: 3.1 Sample Condition: Cool Intact Yes No
 Corrected Temp. °C: 3.2 Yes No

Turnaround Time: Standard Rush 3 DAY
 Thermometer ID #140 Correction Factor +0.3°C

Verbal Result: Yes No Add'l Phone #: *OS-04024015-cell*
 All Results are emailed. Please provide Email address: Aferrell@ensolum.com
 Knaegeli@ensolum.com KJennings@ensolum.com

REMARKS: *PC*



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

January 15, 2026

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

RE: SHARPS BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/12/26 12:25.

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".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/12/2026	Sampling Date:	01/09/2026
Reported:	01/15/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH06 0.5' (H260157-01)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/12/2026	ND	1.82	90.9	2.00	4.67	
Toluene*	8.15	0.500	01/12/2026	ND	1.95	97.4	2.00	2.88	
Ethylbenzene*	20.7	0.500	01/12/2026	ND	1.96	98.2	2.00	3.29	
Total Xylenes*	48.6	1.50	01/12/2026	ND	5.82	97.0	6.00	3.40	
Total BTEX	77.5	3.00	01/12/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 157 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/12/2026	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1550	50.0	01/13/2026	ND	186	93.2	200	5.35	
DRO >C10-C28*	9290	50.0	01/13/2026	ND	183	91.4	200	3.39	
EXT DRO >C28-C36	1180	50.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 323 % 52.4-130

Surrogate: 1-Chlorooctadecane 274 % 39.9-141

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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
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/12/2026	Sampling Date:	01/09/2026
Reported:	01/15/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH06A 2' (H260157-02)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.897	0.200	01/13/2026	ND	1.82	90.9	2.00	4.67	GC-NC1
Toluene*	6.93	0.200	01/13/2026	ND	1.95	97.4	2.00	2.88	
Ethylbenzene*	16.0	0.200	01/13/2026	ND	1.96	98.2	2.00	3.29	
Total Xylenes*	36.9	0.600	01/13/2026	ND	5.82	97.0	6.00	3.40	
Total BTEX	60.7	1.20	01/13/2026	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 191 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/12/2026	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	904	50.0	01/13/2026	ND	186	93.2	200	5.35	
DRO >C10-C28*	3300	50.0	01/13/2026	ND	183	91.4	200	3.39	
EXT DRO >C28-C36	472	50.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 129 % 52.4-130

Surrogate: 1-Chlorooctadecane 133 % 39.9-141

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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
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/12/2026	Sampling Date:	01/09/2026
Reported:	01/15/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH06B 5.5' (H260157-03)

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	01/13/2026	ND	1.82	90.9	2.00	4.67	
Toluene*	<0.050	0.050	01/13/2026	ND	1.95	97.4	2.00	2.88	
Ethylbenzene*	<0.050	0.050	01/13/2026	ND	1.96	98.2	2.00	3.29	
Total Xylenes*	<0.150	0.150	01/13/2026	ND	5.82	97.0	6.00	3.40	
Total BTEX	<0.300	0.300	01/13/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/12/2026	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2026	ND	186	93.2	200	5.35	
DRO >C10-C28*	23.3	10.0	01/13/2026	ND	183	91.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 82.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.1 % 39.9-141

Cardinal Laboratories

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

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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

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC.
 Project Manager: Kalei Jennings
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip 88220
 Phone #: 817-683-2503 Fax #:
 Project #: 07A1988312 Project Owner: Hillcorp
 Project Name: Sharps Battery
 Project Location: 32.567442, -103.103856
 Sampler Name: Alex Ferrell

P.O. #: Company: Hillcorp
 Attn: Billy Ginn
 Address: City: State: Phone #: Fax #:

Lab I.D.	Sample I.D.	Sample Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTX 8021	TPH 8015	Chloride 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
1	BH06	0.5'	G	1	X						1/9/2026	1118	X	X	X
2	BH06A	2'	G	1	X						1/9/2026	1143	X	X	X
3	BH06B	5.5'	G	1	X						1/9/2026	1402	X	X	X

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Reinquinshed By: *[Signature]* Date: 1-19-26 Received By: *[Signature]* Date: 1-23-25
 Date: 1-23-25 Received By: *[Signature]*

Delivered By: (Circle One) Observed Temp. °C 3.1 Corrected Temp. °C 3.2
 Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25
 Sample Condition: Cool Intact Yes No
 CHECKED BY: (Initials) *[Signature]*
 Turnaround Time: Standard Rush 3-DAY
 Thermometer ID #140 Correction Factor +0.1°C
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Observed Temp. °C Corrected Temp. °C

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

CS-04024015-add



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

January 15, 2026

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

RE: SHARPS BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/12/26 12:25.

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".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/12/2026	Sampling Date:	01/09/2026
Reported:	01/15/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH07 0.5' (H260158-01)

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	01/12/2026	ND	1.82	90.9	2.00	4.67	
Toluene*	<0.050	0.050	01/12/2026	ND	1.95	97.4	2.00	2.88	
Ethylbenzene*	<0.050	0.050	01/12/2026	ND	1.96	98.2	2.00	3.29	
Total Xylenes*	<0.150	0.150	01/12/2026	ND	5.82	97.0	6.00	3.40	
Total BTEX	<0.300	0.300	01/12/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/12/2026	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2026	ND	186	93.2	200	5.35	
DRO >C10-C28*	<10.0	10.0	01/13/2026	ND	183	91.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 84.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.1 % 39.9-141

Cardinal Laboratories

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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
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/12/2026	Sampling Date:	01/09/2026
Reported:	01/15/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH07A 4' (H260158-02)

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	01/12/2026	ND	1.82	90.9	2.00	4.67	
Toluene*	<0.050	0.050	01/12/2026	ND	1.95	97.4	2.00	2.88	
Ethylbenzene*	<0.050	0.050	01/12/2026	ND	1.96	98.2	2.00	3.29	
Total Xylenes*	<0.150	0.150	01/12/2026	ND	5.82	97.0	6.00	3.40	
Total BTEX	<0.300	0.300	01/12/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/12/2026	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2026	ND	186	93.2	200	5.35	
DRO >C10-C28*	<10.0	10.0	01/13/2026	ND	183	91.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 82.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.6 % 39.9-141

Cardinal Laboratories

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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
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/12/2026	Sampling Date:	01/09/2026
Reported:	01/15/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH07B 6' (H260158-03)

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	01/12/2026	ND	1.82	90.9	2.00	4.67	
Toluene*	<0.050	0.050	01/12/2026	ND	1.95	97.4	2.00	2.88	
Ethylbenzene*	<0.050	0.050	01/12/2026	ND	1.96	98.2	2.00	3.29	
Total Xylenes*	<0.150	0.150	01/12/2026	ND	5.82	97.0	6.00	3.40	
Total BTEX	<0.300	0.300	01/12/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/12/2026	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2026	ND	186	93.2	200	5.35	
DRO >C10-C28*	<10.0	10.0	01/13/2026	ND	183	91.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	01/13/2026	ND					

Surrogate: 1-Chlorooctane 82.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.3 % 39.9-141

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

- 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC. Project Manager: Kalei Jennings Address: 3122 National Parks Hwy City: Carlsbad State: NM Zip: 88220 Phone #: 817-683-2503 Fax #: _____ Project #: 07A1988312 Project Owner: Hillcorp Project Name: Sharps Battery Project Location: 32,567442, -103,103856 Sampler Name: Alex Ferrell		P.O. #: _____ Company: Hillcorp Attn: Billy Ginn Address: _____ City: _____ State: _____ Phone #: _____ Fax #: _____	
BILL TO			
ANALYSIS REQUEST			
Lab I.D. <u>H260158</u> Sample I.D. _____ Sample Depth _____		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
FOR LAB USE ONLY Date: 1-12-26 Time: 1:35 Date: _____ Time: _____		DATE TIME 1/9/2026 1410 1/9/2026 1543 1/9/2026 1613	
Relinquished By: _____ Date: _____ Time: _____		Received By: <u>Kawana White</u> Date: _____ Time: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ FORM-006 R 3.6 02/12/25		Observed Temp. °C: <u>3.1</u> Corrected Temp. °C: <u>3.2</u> Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Checked By: <u>AS</u>	
Turnaround Time: _____ Thermometer ID #140 Correction Factor: <u>10.1°C</u>		Standard <input type="checkbox"/> <u>Rush</u> <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> <u>3 DAY</u> <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> <u>1/12/26</u> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: Knaegel@ensolum.com Aferrell@ensolum.com KJennings@ensolum.com		REMARKS: <u>AS-04024015 - all</u> <u>AC</u>	

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



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

January 21, 2026

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

RE: SHARPS BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/20/26 12:55.

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".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/20/2026	Sampling Date:	01/16/2026
Reported:	01/21/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Shalyn Rodriguez
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH09 0.5' (H260344-01)

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	01/20/2026	ND	2.10	105	2.00	1.73	
Toluene*	<0.050	0.050	01/20/2026	ND	2.25	113	2.00	5.13	
Ethylbenzene*	<0.050	0.050	01/20/2026	ND	2.36	118	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/20/2026	ND	7.16	119	6.00	6.81	
Total BTEX	<0.300	0.300	01/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

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	01/20/2026	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2026	ND	200	100	200	1.61	
DRO >C10-C28*	<10.0	10.0	01/20/2026	ND	188	94.2	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/20/2026	ND					

Surrogate: 1-Chlorooctane 95.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 98.2 % 39.9-141

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, LLC
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/20/2026	Sampling Date:	01/16/2026
Reported:	01/21/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Shalyn Rodriguez
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH09A 3' (H260344-02)

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	01/20/2026	ND	2.10	105	2.00	1.73	
Toluene*	<0.050	0.050	01/20/2026	ND	2.25	113	2.00	5.13	
Ethylbenzene*	<0.050	0.050	01/20/2026	ND	2.36	118	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/20/2026	ND	7.16	119	6.00	6.81	
Total BTEX	<0.300	0.300	01/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

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	01/20/2026	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2026	ND	200	100	200	1.61	
DRO >C10-C28*	<10.0	10.0	01/20/2026	ND	188	94.2	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/20/2026	ND					

Surrogate: 1-Chlorooctane 77.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.7 % 39.9-141

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, LLC
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	01/20/2026	Sampling Date:	01/16/2026
Reported:	01/21/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Shalyn Rodriguez
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH09B 6' (H260344-03)

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	01/20/2026	ND	2.10	105	2.00	1.73	
Toluene*	<0.050	0.050	01/20/2026	ND	2.25	113	2.00	5.13	
Ethylbenzene*	<0.050	0.050	01/20/2026	ND	2.36	118	2.00	6.27	
Total Xylenes*	<0.150	0.150	01/20/2026	ND	7.16	119	6.00	6.81	
Total BTEX	<0.300	0.300	01/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

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	01/20/2026	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2026	ND	200	100	200	1.61	
DRO >C10-C28*	<10.0	10.0	01/20/2026	ND	188	94.2	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/20/2026	ND					

Surrogate: 1-Chlorooctane 97.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 101 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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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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*=Accredited Analyte

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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

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: *Kalei Jennings*
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 P.O. #: _____
 Company: *Hilcorp*
 Attn: *Billy Gunn*
 Address: _____
 Phone #: *817-683-2503* Fax #: _____
 Project #: *071988312* Project Owner: _____
 City: _____ State: _____ Zip: _____
 Project Name: *Sharps Battery*
 Project Location: *32,567442, -103,103856*
 Phone #: _____
 Sampler Name: *Maxine Sarkis* Fax #: _____

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	ANALYSIS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
<i>H1400344</i>	<i>BH09</i>	<i>0.5</i>		<i>61</i>								<i>11/16/86</i>	<i>1238</i>	<i>BTEX</i>
<i>2</i>	<i>BH09A</i>	<i>3</i>		<i>61</i>								<i>1340</i>	<i>1458</i>	<i>TPH</i>
<i>3</i>	<i>BH09B</i>	<i>6</i>		<i>61</i>										<i>Chlorides</i>

CS T0402401K

M/S

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Relinquished By: _____
 Date: _____ Time: _____
 Received By: _____
 Date: _____ Time: _____
 Received By: _____

Delivered By: (Circle One) Observed Temp. °C: *4.8*
 Corrected Temp. °C: *4.9*
 Sample Condition: Cool Intact Yes No
 Checked By: *SR*
 Turnaround Time: *24-HR*
 Standard: *Rush*
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Corrected Temp. °C: _____

Vertical Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: *MSARKIS@ENSOLVM.COM*
 REMARKS: *af@ell@ensolum.com / kjennings@ensolum.com*

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

1 of 1



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

February 13, 2026

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

RE: SHARPS BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/09/26 12:00.

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".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	02/09/2026	Sampling Date:	02/05/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH 10 0.5' (H260728-01)

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	02/10/2026	ND	2.02	101	2.00	0.201	
Toluene*	<0.050	0.050	02/10/2026	ND	1.87	93.5	2.00	0.725	
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.85	92.7	2.00	0.0696	
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.46	91.0	6.00	0.137	
Total BTEX	<0.300	0.300	02/10/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 70.4-141

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	02/11/2026	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2026	ND	200	100	200	2.97	
DRO >C10-C28*	<10.0	10.0	02/10/2026	ND	227	114	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND					

Surrogate: 1-Chlorooctane 78.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.1 % 39.9-141

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, LLC
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	02/09/2026	Sampling Date:	02/05/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH 10A 3' (H260728-02)

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	02/10/2026	ND	2.02	101	2.00	0.201	
Toluene*	<0.050	0.050	02/10/2026	ND	1.87	93.5	2.00	0.725	
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.85	92.7	2.00	0.0696	
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.46	91.0	6.00	0.137	
Total BTEX	<0.300	0.300	02/10/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 70.4-141

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	02/11/2026	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2026	ND	200	100	200	2.97	
DRO >C10-C28*	<10.0	10.0	02/10/2026	ND	227	114	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND					

Surrogate: 1-Chlorooctane 73.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.7 % 39.9-141

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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
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	02/09/2026	Sampling Date:	02/06/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH 10B 6' (H260728-03)

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	02/10/2026	ND	2.02	101	2.00	0.201		
Toluene*	<0.050	0.050	02/10/2026	ND	1.87	93.5	2.00	0.725		
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.85	92.7	2.00	0.0696		
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.46	91.0	6.00	0.137		
Total BTEX	<0.300	0.300	02/10/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 70.4-141

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	02/11/2026	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/10/2026	ND	200	100	200	2.97		
DRO >C10-C28*	<10.0	10.0	02/10/2026	ND	227	114	200	2.84		
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND						

Surrogate: 1-Chlorooctane 91.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.8 % 39.9-141

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Analytical Results For:

ENSOLUM, LLC
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	02/09/2026	Sampling Date:	02/06/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH 08 0.5' (H260728-04)

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	02/10/2026	ND	2.02	101	2.00	0.201		
Toluene*	<0.050	0.050	02/10/2026	ND	1.87	93.5	2.00	0.725		
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.85	92.7	2.00	0.0696		
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.46	91.0	6.00	0.137		
Total BTEX	<0.300	0.300	02/10/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 70.4-141

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	02/11/2026	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/10/2026	ND	200	100	200	2.97		
DRO >C10-C28*	<10.0	10.0	02/10/2026	ND	227	114	200	2.84		
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND						

Surrogate: 1-Chlorooctane 88.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.5 % 39.9-141

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Analytical Results For:

ENSOLUM, LLC
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	02/09/2026	Sampling Date:	02/06/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH 08A 3' (H260728-05)

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	02/10/2026	ND	2.02	101	2.00	0.201	
Toluene*	<0.050	0.050	02/10/2026	ND	1.87	93.5	2.00	0.725	
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.85	92.7	2.00	0.0696	
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.46	91.0	6.00	0.137	
Total BTEX	<0.300	0.300	02/10/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 70.4-141

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	02/11/2026	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2026	ND	200	100	200	2.97	
DRO >C10-C28*	<10.0	10.0	02/10/2026	ND	227	114	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND					

Surrogate: 1-Chlorooctane 81.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.2 % 39.9-141

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Analytical Results For:

ENSOLUM, LLC
 KALEI JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	02/09/2026	Sampling Date:	02/06/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	SHARPS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	07A1988312	Sample Received By:	Tamara Oldaker
Project Location:	HILLCORP 32.567442, -103.103856		

Sample ID: BH 08B 6' (H260728-06)

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	02/10/2026	ND	2.02	101	2.00	0.201	
Toluene*	<0.050	0.050	02/10/2026	ND	1.87	93.5	2.00	0.725	
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.85	92.7	2.00	0.0696	
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.46	91.0	6.00	0.137	
Total BTEX	<0.300	0.300	02/10/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 70.4-141

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	02/11/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2026	ND	200	100	200	2.97	
DRO >C10-C28*	<10.0	10.0	02/10/2026	ND	227	114	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND					

Surrogate: 1-Chlorooctane 86.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.2 % 39.9-141

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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Alex Ferville
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 Phone #: 361-935-0990 Fax #: 361-935-0990
 Project #: 07A1988312 Project Owner:
 Project Name: Sharps Battery
 Project Location: 32.507442, -103.103850
 Sampler Name: Marcio SARKIS
 P.O. #: Company: Hillcoy
 Attn: Billy Ginn
 Address: City: State: Zip: Phone #: Fax #:

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
H460728	BH1D	0.5	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/5/20	0848	BTEX
	BH1D4	3	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/5/20	0955	TPH
	BH10B	0	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/6/20	0910	Chloride
	BH08	0.5	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/6/20	1034	
	BH08A	3	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/6/20	1125	
	BH08B	0	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2/6/20	1400	

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Relinquished By: [Signature] Date: 2-9-20 Received By: [Signature] Date: 2-9-20
 Relinquished By: [Signature] Date: 2-9-20 Received By: [Signature] Date: 2-9-20

Vertical Result: Yes No Add'l Phone #: CS-04024015-222

REMARKS: All Results are emailed. Please provide Email address: a.ferville@ensolum.com, msarkis@ensolum.com, ywings@ensolum.com

Delivered By: (Circle One) Observed Temp. °C: 4.8 Corrected Temp. °C: 4.9
 Sampler - UPS - Bus - Other: Cool Intact Yes No
 Sample Condition: Cool Intact Yes No
 CHECKED BY: [Signature]
 Turnaround Time: 5 day Standard Rush Add'l Phone #: 319126
 Thermometer ID #13 #170
 Correction Factor: -0.5°C
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Corrected Temp. °C: 4.9

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

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 576529

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 576529
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2521159402
Incident Name	NAPP2521159402 SHARPS BATTERY @ 30-025-34061
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Well	[30-025-34061] SHARPS #002

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	SHARPS BATTERY
Date Release Discovered	07/29/2025
Surface Owner	Private

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

Nature and Volume of Release	
<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	Cause: Corrosion Tank (Any) Crude Oil Released: 144 BBL Recovered: 58 BBL Lost: 86 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Phone: (505) 476-3441

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Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 576529

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 576529
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 04/16/2026
--	--

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

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 576529

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 576529
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<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)	1710
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	15380
GRO+DRO (EPA SW-846 Method 8015M)	13800
BTEX (EPA SW-846 Method 8021B or 8260B)	77.5
Benzene (EPA SW-846 Method 8021B or 8260B)	1.6

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

On what estimated date will the remediation commence	08/08/2025
On what date will (or did) the final sampling or liner inspection occur	02/06/2026
On what date will (or was) the remediation complete(d)	02/06/2026
What is the estimated surface area (in square feet) that will be reclaimed	2750
What is the estimated volume (in cubic yards) that will be reclaimed	611
What is the estimated surface area (in square feet) that will be remediated	2750
What is the estimated volume (in cubic yards) that will be remediated	611

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

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

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 4

Action 576529

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 576529
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fKJ1600527371 SUNDANCE SERVICES, INC
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 04/16/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 576529

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 576529
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Production tanks, flow lines, support structures, earthen berm
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	2750
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	611
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-06516 NORTHEAST DRINKARD UNIT #302
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 04/16/2026

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QUESTIONS, Page 6

Action 576529

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 576529
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	547427
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/06/2026
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	10800

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 576529

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 576529
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	6/8/2026