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

Form C-144
Revised October 11, 2022

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

FACILITY ID [fCS1912236570]
Trench 3

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☒ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.

Operator: LOGOS Operating, LLC OGRID #: 289408

Address: 2010 Afton Place, Farmington NM 87401

Facility or well name: Section 25 Burial Trench #3 / Drying Pad

API Number: See attached for API#'s OCD Permit Number: fCS1912236570

U/L or Qtr/Qtr D Section 25 Township 31N Range 6W County: Rio Arriba

Center of Proposed Design: Latitude 36.874940 Longitude -107.419135 NAD83

Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.

☒ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC

Temporary: ☒ Drilling ☐ Workover X - Burial Trench / Drying Pad

☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no

☒ Lined ☐ Unlined Liner type: Thickness 30 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other

☒ String-Reinforced

Liner Seams: ☐ Welded ☐ Factory ☐ Other Volume: 17,789 bbl Dimensions: L 100' x W 125' x D 17

3.

☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC

Volume: bbl Type of fluid:

Tank Construction material:

☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off

☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other

Liner type: Thickness mil ☐ HDPE ☐ PVC ☐ Other

4.

☐ **Alternative Method:**

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.

Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*

☒ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*

☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☐ Alternate. Please specify

6.
Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.
Signs: Subsection C of 19.15.17.11 NMAC

☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒ Signed in compliance with 19.15.16.8 NMAC

8.
Variances and Exceptions:
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Type text here

9.
Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☒ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☒ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☒ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☒ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method: ☐ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☒ On-site Closure Method (Only for temporary pits and closed-loop systems)
☒ In-place Burial ☒ On-site Trench Burial
☐ Alternative Closure Method

14.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

18.
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: _____ **Approval Date:** _____

Title: _____ **OCD Permit Number:** _____

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☒ **Closure Completion Date:** 5/27/2024

20.
Closure Method:

☐ Waste Excavation and Removal ☒ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

21.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☒ Plot Plan (for on-site closures and temporary pits)
- ☒ Confirmation Sampling Analytical Results (if applicable)
- ☒ Waste Material Sampling Analytical Results (required for on-site closure)
- ☒ Disposal Facility Name and Permit Number
- ☒ Soil Backfilling and Cover Installation
- ☒ Re-vegetation Application Rates and Seeding Technique
- ☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 36.874940 Longitude -107.419135 NAD: ☐ 1927 ☒ 1983

22.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Etta Trujillo Title: Regulatory Specialist II

Signature: Etta Trujillo Date: 8/23/2024

e-mail address: etrujillo@logosresourcesllc.com Telephone: (505) 324-4154

Burial Trench and Drying Pad Closure Report

In accordance with Rule 19.15.17.13 NMAC the following plan describes the general in-place closure requirements of burial trenches/drying pad on LOGOS Operating, LLC location in the San Juan Basin of New Mexico. This is LOGOS's standard procedure for all burial trenches/drying pads to be utilized for the drilling, completion and/or workovers of oil and gas wells operated by LOGOS. For those burial trenches/drying pads which do not conform to this standard closure plan, a separate closure plan will be developed and utilized.

All closure activities will include proper documentation and will be submitted to NMOCD within 60 days of the pit closure. Closure report will be filed on C-144 and will include the following:

- Details on Capping and Covering, where applicable (See report)
- Plot plan (Pit Diagram) (included as an attachment)
- Inspection Log (included as an attachment)
- Notification Documentation (included as an attachment)
- Sampling Results (included as an attachment)
- Copy of Deed Notice will be filed with the County Clerk **(Not required on Federal, State or Federal Tribal Land as stated by FAQ dated October 30, 2008).**

General Requirements:

1. Prior to closure LOGOS shall remove all free liquids reasonably achievable from the prior drying pad and dispose of such liquids at a division approved facility.
    - **All liquids recovered through a shell shaker, blended then placed on drying pad to ensure all liquids were removed prior to placing in the trench burial.**
2. The preferred method of closure for all temporary pits will be on-site closure by in-place burial/drying pad, provided all the criteria in 19.15.17.13.D are met.
    - **On-site burial plan for this location was approved by the Division District Office on March 24, 2022, OCD permit number – Facility ID fCS1912236570.**
3. The surface owner shall be notified by (certified mail, return receipt or via email) requested that LOGOS's plans closure of operations.
    - **The closure process notification to the surface landowner (BLM) was sent via email on April 3, 2024. (See attached)**
4. Within 6 months of the rig-off status occurring LOGOS will ensure that the temporary pit and/or burial trench/drying pad is closed.
    - Time lapses due to Rosa Unit (Big Game Area) closure.
        Rosa Unit 658H API: 30-039-31406; Rig released 7/08/2022.
        Rosa Unit 662H API: 30-039-31417; Rig released 8/01/2022.
        Rosa Unit 664H API: 30-039-31418; Rig released 6/25/2022.
        Rosa Unit 665H API: 30-039-31358; Rig released 7/16/2022.
        Rosa Unit 650H API: 30-039-31412; Rig released 8/20/2023.
        Rosa Unit 652H API: 30-039-31413; Rig released 8/09/2023.
5. Notice of Closure will give to the division district office verbally and/ or in writing at least 72 hours, but not more than one week, prior to closure operations. The notification of Closure will include the following: Operator's Name, Well Name and API number and Location (USTR).
    - **The Division District Office of NMOCD was notified by email. (See attached)**

6. Pit contents shall be achieved by mixing with non-waste containing, earthen material. The solidification process will be accomplished use a combination of natural drying and mechanical mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed safe and stable. The mixing ratio shall not exceed 3 parts non-waste to 1 part pit contents.
    - **LOGOS mixed the pit/ burial contents with non-waste containing earthen material to achieve appropriate solidification and a consistency that was deemed safe and stable. The solidification process was accomplished using a combination of natural drying, and mechanically mixing using a dozer and track hoe. The mixing ratio consisted of approximately 3 parts native soil to 1 part pit contents.**
7. An eight-point composite sample will be taken of the pit using sampling tools and all samples tested per parameters listed in Table II of 19.15.17.13 NMAC. In the even that the criteria are not met (See Table I), all contents will be handled per 19.15.17.13 Subsection C (i.e dig and haul to a division-approved facility.) Approval to haul will be requested of the division district office prior to initiation.
    - A five & eight-point composite were taken of the drying pad & burial trench area using sampling tools and all samples tested per parameters listed 19.15.17.13 NMAC Table II on April 8, 2024.

Table II Closure Criteria for Burial Trenches Waste Left in Place in Temporary Pits				
Depth below bottom of pit to GW < than 10,000 mg/l TDS	**Constituent**	**Method ***	**Limit****	**4/8/2024 Burial Trench Results (8pt)**
➢ **100 Feet**	Chloride	EPA Method 300.0	80,000 mg/kg	1290 mg/kg
	TPH	EPA SW-846 Method 418.1	2,500 mg/kg	369 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg	369 mg/kg
	BTEX	EPA SW-846 Method 8021 B or 8260B	50 mg/kg	0.5887 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg	0.0330 mg/kg
	Paint Filter Test			

Table II Closure Criteria for Drying Pad Waste Left in Place in Temporary Pits				
Depth below bottom of pit to GW < than 10,000 mg/l TDS	**Constituent**	**Method ***	**Limit****	**4/9/2024 Drying Pad Results (5pt)**
➢ **100 Feet**	Chloride	EPA Method 300.0	80,000 mg/kg	285 mg/kg
	TPH	EPA SW-846 Method 418.1	2,500 mg/kg	1253 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg	749 mg/kg
	BTEX	EPA SW-846 Method 8021 B or 8260B	50 mg/kg	0.0343 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg	ND mg/kg
	Paint Filter Test			

8. Upon achieving all applicable waste stabilization, fold the outer edges of the trench liner to overlap the waste material in the trench prior to the installation of the geomembrane cover, install a geomembrane cover over the waste material in the lined trench.
    - **Following stabilization, the outer edges of the trench liner were folded over the solids, then a geomembrane cover was placed over the sloping surface of the stabilized waste material on May 27, 2024.**
9. Upon completion of solidification and testing, the pit area will be backfilled with soil cover for burial in-place or burial trench/drying pad consists of four feet non-waste containing, uncontaminated earthen material. The soil cover shall include either the background thickness of topsoil or one-foot suitable material to establish vegetation at the site, whichever is greater.
    - **Upon completion of solidification and testing, the burial trench area was backfilled with non-waste earthen material compacted to native conditions. A minimum of four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.**
10. Re-contouring of area will match fit, shape, line, form, and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and minimize erosion. Natural drainages will be unimpeded and stormwater Best Management Practices (BMPs) will be used to aid in soil stabilization and protection surface water quality.
    - **LOGOS covered the trench and the drying pad to match fit, shape, line form and texture of the surrounding area. Re-shaping included drainage control, to prevent ponding and erosion. Natural drainages were unimpeded and BMPs were used to aid in the soil stabilization. Will complete final closing of the area at final reclamation quarry. This area is in use for future drilling projects. Upon final reclamation LOGOS will contour the location to approximately match previous topography per the conditions of approvals (COA)s within the APD and the direction offered by the BLM inspector.**
11. Notification will be sent to the Division District office when the reclaimed area is seeded.
    - **LOGOS will comply with the surface owner (BLM) per the re-seeding requirements stated in the (COA)s of the APD for referenced wells. Will complete final closing of the area at final reclamation quarry. This area is in use for future drilling projects.**
12. LOGOS shall seed the disturbed areas the first growing season after the pit and/or burial trench/drying pad is closed. Seeding will be accomplished vis drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least on grass, but not including noxious weeds, and maintain the cover through two successive growing seasons. Repeat seeding or planting will be continue until successful vegetative growth occurs.
    - **LOGOS will comply with the surface owner (BLM) per the re-seeding requirements stated in the (COA)s of the APD for referenced wells. Will complete final closing of the area at final reclamation quarry. This area is in use for future drilling projects.**
13. LOGOS shall place a steel marker at the center of the onsite burial/drying pad. The steel marker shall be not less than four inches in diameter and shall be cemented in a three-foot deep hole at a minimum. The marker will be flush with the ground to allow access and safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial/drying pad. The plate will be easily removable, and a four-foot-tall riser will be threaded into the top of the collar marker and welded around the base with the LOGOS information. The information will include Operator Name, Well Name and number, Unit, Section, Township Range, and an indicator that the marker is an onsite burial location.
    - **The burial trench was located with a steel marker per the above listed specifications. (See attached).**

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

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name

[4] Property Code	[5] Property Name	[6] Well Number
	SECTION 25 DRYING PAD/ BURIAL TRENCH #3	

[7] OGRID No.	[8] Operator Name	[9] Elevation
289408	LOGOS OPERATING, LLC	6364'

[10] Surface Location

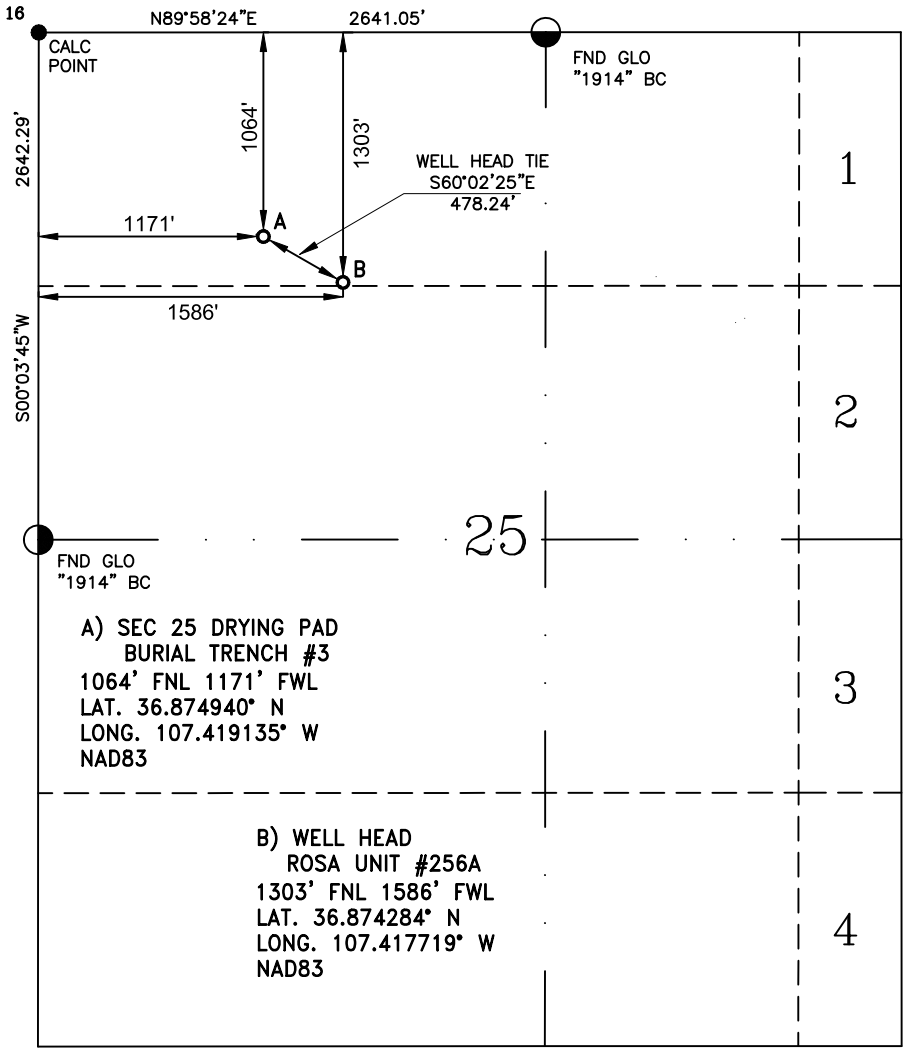
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	31-N	6-W		1064'	NORTH	1171'	WEST	RIO ARRIBA

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Marie E Florez 1/5/2022
Signature Date

Marie E. Florez
Printed Name

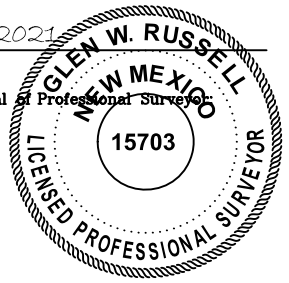
mflorez@logosresourcesllc.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JUNE 3, 2021
Date of Survey

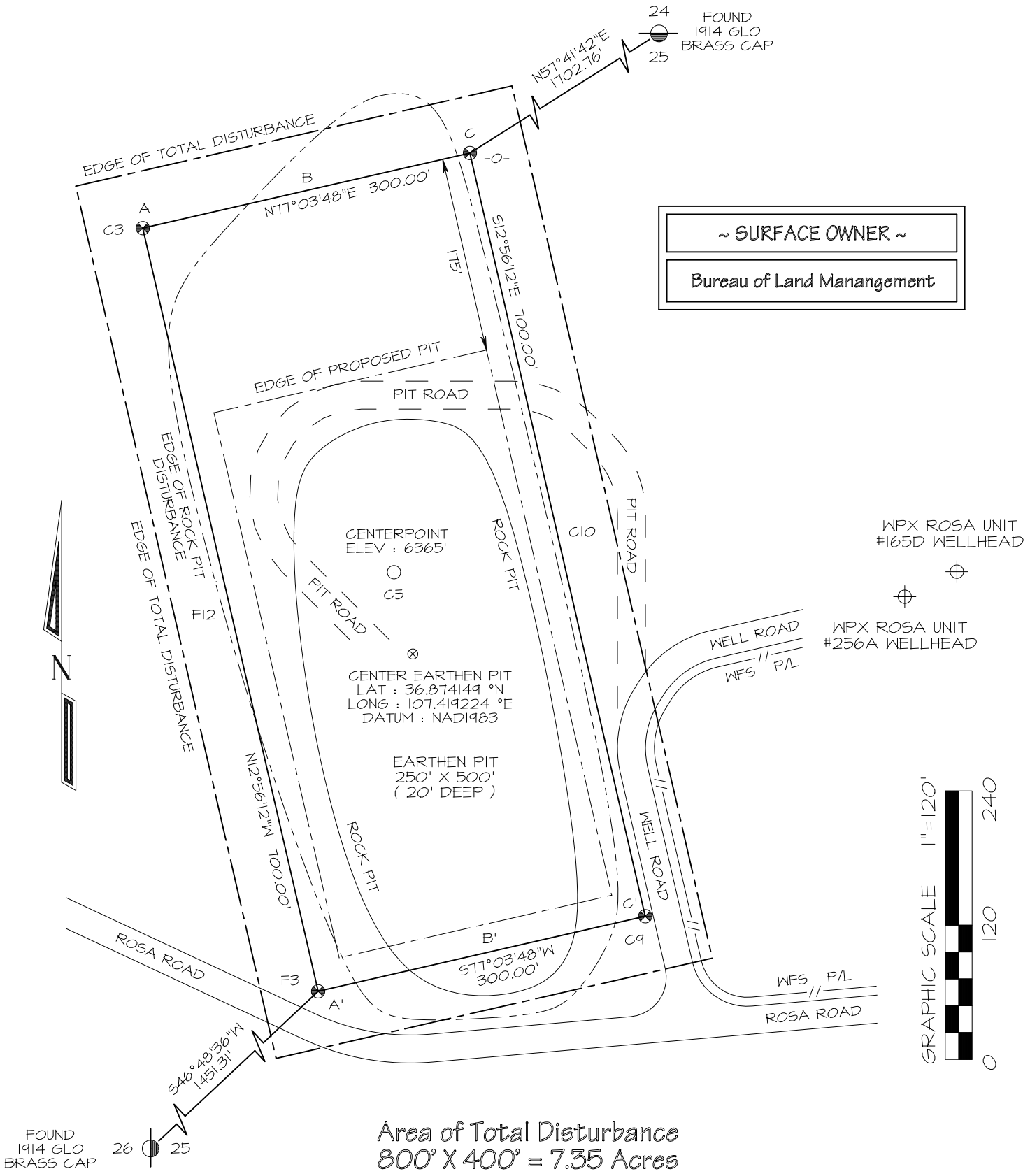
Signature and Seal of Professional Surveyor:



GLEN W. RUSSELL
Certificate Number 15703

LOGOS Operating, LLC

SECTION 25 RECYCLING CONTAINMENT
LOCATED IN NW/4 OF SECTION 25, T31N, R6W
RIO ARRIBA COUNTY, NEW MEXICO ELEVATION: 6380'
LAT: 36.874350°N LONG: 107.419280°W DATUM: NAD1983



Area of Total Disturbance
800' X 400' = 7.35 Acres

Steel T-Posts have been set to define the Edge of Disturbance limits which are 50' offset from the edge of the Multi-well Fluids Management System.

LOCATION:	LOGOS OPERATING	Burial Trench Inspection							
Section 25 #3 Burial Trench									
Inspector	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington
Date (weekly)	5/2/2022	5/9/2022	5/16/2022	5/23/2022	5/30/2022	6/6/2022	6/13/2022	6/20/2022	6/27/2022
	week 1	week 2	week 3	week 4	week 5	week 6	week 7	week 8	week 9
Pit Status	Open	Open	Open	Open	Open	Open	Open	Open	Open
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	yes
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Free Oil or Sheen Present	no	no	no	no	no	no	no	no	no
Fluid in Trench	no	no	no	no	no	no	no	no	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.

LOCATION:	LOGOS OPERATING	Burial Trench Inspection							
Section 25 #3 Burial Trench									
Inspector	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington
Date (weekly)	7/4/2022 week 10	7/11/2022 week 11	7/18/2022 week 12	7/25/2022 week 13	8/1/2022 week 14	8/8/2022 week 15	8/15/2022 week 16	8/22/2022 week 17	8/29/2022 week 18
Pit Status	Open	Open	Open	Open	Open	Open	Open	Open	Open
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	yes
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Free Oil or Sheen Present	no	no	no	no	no	no	no	no	no
Fluid in Trench	no	no	no	no	no	no	no	no	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.

LOCATION:	LOGOS OPERATING	Burial Trench Inspection							
Section 25 #3 Burial Trench									
Inspector	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington
Date (weekly)	8/29/2022	9/5/2022	9/12/2022	9/19/2022	9/26/2022	10/3/2022	10/10/2022	10/17/2022	10/24/2022
	week 19	week 20	week 21	week 22	week 23	week 24	week 25	week 26	week 27
Pit Status	Open	Open	Open	Open	Open	Open	Open	Open	Open
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	yes
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Free Oil or Sheen Present	no	no	no	no	no	no	no	no	no
Fluid in Trench	no	no	no	no	no	no	no	no	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Cool	Placed on Drying pad then into Burial. Weather Cool	Placed on Drying pad then into Burial. Weather Cool	Placed on Drying pad then into Burial. Weather Cool

LOCATION:	LOGOS OPERATING	Burial Trench Inspection							
Section 25 #3 Burial Trench									
Inspector	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin
Date (weekly)	11/1/2022	11/9/2022	11/14/2022	12/1/2022	12/12/2022	12/19/2022	12/26/2022	1/3/2023	1/9/2023
	week 28	week 29	week 30	week 31	week 32	week 33	week 34	week 35	week 36
Pit Status	Open	Open	Open	Open	Open	Open	Open	Open	Open
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	yes
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Free Oil or Sheen Present	no	no	no	yes	yes	yes	yes	yes	yes
Fluid in Trench	no	no	no	yes removed via water truck	no	no	no	no	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted

LOCATION:	LOGOS OPERATING	Burial Trench Inspection							
Section 25 #3 Burial Trench									
Inspector	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin
Date (weekly)	1/16/2023	1/23/2023	1/30/2023	2/6/2023	2/13/2023	2/20/2023	2/27/2023	3/6/2023	3/13/2023
	week 37	week 38	week 39	week 40	week 41	week 42	week 43	week 44	week 45
Pit Status	Open	Open	Open	Open	Open	Open	Open	Open	Open
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	yes
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Free Oil or Sheen Present	no	no	no	no	no	no	no	no	no
Fluid in Trench	no	no	no	no	no	no	no	yes removed via water truck	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted

LOCATION:	Burial Trench Inspection								
Section 25 Burial Trench									
Inspector	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin
Date (weekly)	3/20/2023 week 46	3/27/2023 week 47	4/3/2023 week 48	4/10/2023 week 49	4/17/2023 week 50	4/24/2023 week 51	5/1/2023 week 52	5/8/2023 week 53	5/15/2023 week 54
Pit Status	Open	Open	Open	Open	Open	Open	Open	Open	Open
Liner in good Condition	yes	yes	yes	yes	yes	yes	Yes	Yes	Yes
Properly Fenced	yes	yes	yes	yes	yes	yes	Yes	Yes	Yes
Slopes Intact	yes	yes	yes	yes	yes	yes	Yes	Yes	Yes
Free Oil or Sheen Present	no	no	no	no	no	no	No	No	Yes
Fluid in Trench	no	no	no	no	no	no	No	No	No
Trash at Location	no	no	no	no	no	no	No	No	No
Comments	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted

LOCATION:									
Section 25 Burial Trench	Burial Trench Inspection								
Inspector	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin
Date (weekly)	5/22/2023	5/29/2023	6/5/2023	6/12/2023	6/19/2023	6/26/2023	7/3/2023	7/10/2023	7/17/2023
	week 55	week 56	week 57	week 58	week 59	week 60	week 61	week 62	week 63
Pit Status	Open	Open	Open	Open	Open	Open	Open	Open	Open
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	yes
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Free Oil or Sheen Present	no	no	no	no	no	no	no	no	no
Fluid in Trench	no	no	no	no	no	no	no	no	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted

LOCATION:	Burial Trench Inspection								
Section 25 Burial Trench									
Inspector	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin
Date (weekly)	7/24/2023 week 64	7/31/2023 week 65	8/7/2023 week 66	8/14/2023 week 67	8/21/2023 week 68	8/28/2023 week 69	9/4/2023 week 70	9/11/2023 week 71	9/18/2023 week 72
Pit Status	Open	Open	Open	Open	Open	Open	Open	Open	Open
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	yes
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Free Oil or Sheen Present	no	no	no	no	no	no	no	no	no
Fluid in Trench	no	no	no	no	no	no	no	no	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted

LOCATION:	LOGOS OPERATING								
Section 25 Burial Trench	**Burial Trench Inspection**								
Inspector	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin
Date (weekly)	9/25/2023	10/2/2023	10/9/2023	10/16/2023	10/23/2023	10/30/2023	11/6/2023	11/13/2023	11/20/2023
	week 73	week 74	week 75	week 76	week 77	week 78	week 79	week 80	week 81
Pit Status	Open	Open	Open	Open	Open	Open	Open	Open	Open
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	yes
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Free Oil or Sheen Present	no	no	no	no	no	no	no	no	no
Fluid in Trench	no	no	no	no	no	no	no	no	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted

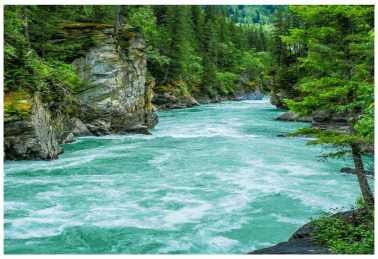
LOCATION:	Burial Trench Inspection								
Section 25 Burial Trench									
Inspector	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin
Date (weekly)	11/27/2023 week 82	12/4/2023 week 83	12/11/2023 week 84	12/18/2023 week 85	12/25/2023 week 86	1/1/2024 week 87	1/8/2024 week 88	1/15/2024 week 89	1/22/2024 week 90
Pit Status	Open	Open	Open	Open	Open	Open	Open	Open	Open
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	yes
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Free Oil or Sheen Present	no	no	no	no	no	no	no	no	no
Fluid in Trench	no	no	no	no	no	no	no	no	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted

LOCATION:	LOGOS OPERATING								
Section 25 Burial Trench	**Burial Trench Inspection**								
Inspector	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin
Date (weekly)	1/29/2024 week 91	2/5/2024 week 92	2/12/2024 week 93	2/19/2024 week 94	2/26/2024 week 95	3/4/2024 week 96	3/11/2024 week 97	3/18/2024 week 98	3/25/2024 week 99
Pit Status	Open	Open	Open	Open	Open	Open	Open	Open	Open
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	yes
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Free Oil or Sheen Present	no	no	no	no	no	no	no	no	no
Fluid in Trench	no	no	no	no	no	no	no	no	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted	Monitored Trench until closure. No Issues noted

LOCATION:	Burial Trench Inspection								
Section 25 Burial Trench									
Inspector	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin	Richard Martin
Date (weekly)	4/1/2024	4/8/2024	4/15/2024	4/22/2024	4/29/2024	5/6/2024	5/13/2024	5/20/2024	5/27/2024
	week 100	week 101	week 102	week 103	week 104	week 105	week 106	week 107	week 108
Pit Status	Open	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	Closed
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Free Oil or Sheen Present	no	no	no	no	no	no	no	no	no
Fluid in Trench	no	no	no	no	no	no	no	no	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Monitored Trench until closure. No Issues noted	Took soil samples for closure of burial trench.	Working closing Pit	Working closing Pit	Working closing Pit	Working closing Pit	Working closing Pit	Working closing Pit	Closed

Report to:

Vanessa Fields



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Logos Resources

Project Name:	Section 25 #003 Burial Trench
Work Order:	E404049
Job Number:	12035-0114
Received:	4/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/10/24

Date Reported: 4/10/24

Vanessa Fields
2010 Afton Place
Farmington, NM 87401

Project Name: Section 25 #003 Burial Trench
Workorder: E404049
Date Received: 4/8/2024 1:48:00PM

Vanessa Fields,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/8/2024 1:48:00PM, under the Project Name: Section 25 #003 Burial Trench.

The analytical test results summarized in this report with the Project Name: Section 25 #003 Burial Trench apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Logos Resources	Project Name:	Section 25 #003 Burial Trench	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Vanessa Fields	04/10/24 16:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
8 pnt-cuttings Pit	E404049-01A	Soil	04/08/24	04/08/24	Glass Jar, 4 oz.

Sample Data

Logos Resources	Project Name:	Section 25 #003 Burial Trench	
2010 Afton Place	Project Number:	12035-0114	**Reported:**
Farmington NM, 87401	Project Manager:	Vanessa Fields	4/10/2024 4:57:17PM

8 pnt-cuttings Pit

E404049-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2415008
Benzene	**0.0330**	0.0250	1	04/09/24	04/09/24	
Ethylbenzene	ND	0.0250	1	04/09/24	04/09/24	
Toluene	**0.150**	0.0250	1	04/09/24	04/09/24	
o-Xylene	**0.0537**	0.0250	1	04/09/24	04/09/24	
p,m-Xylene	**0.149**	0.0500	1	04/09/24	04/09/24	
Total Xylenes	**0.203**	0.0250	1	04/09/24	04/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*04/09/24*	*04/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2415008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/24	04/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*04/09/24*	*04/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2415002
Diesel Range Organics (C10-C28)	**369**	125	5	04/09/24	04/09/24	
Oil Range Organics (C28-C36)	ND	250	5	04/09/24	04/09/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*04/09/24*	*04/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2415004
Chloride	**1290**	20.0	1	04/09/24	04/09/24	

QC Summary Data

Logos Resources	Project Name:	Section 25 #003 Burial Trench	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Vanessa Fields	4/10/2024 4:57:17PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2415008-BLK1)									Prepared: 04/09/24 Analyzed: 04/09/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.52*		*8.00*		*94.0*	*70-130*			
LCS (2415008-BS1)									Prepared: 04/09/24 Analyzed: 04/09/24
Benzene	4.85	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.86	0.0250	5.00		97.2	70-130			
o-Xylene	4.84	0.0250	5.00		96.8	70-130			
p,m-Xylene	9.86	0.0500	10.0		98.6	70-130			
Total Xylenes	14.7	0.0250	15.0		98.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike (2415008-MS1)				**Source: E404049-01**					Prepared: 04/09/24 Analyzed: 04/09/24
Benzene	4.92	0.0250	5.00	0.0330	97.8	54-133			
Ethylbenzene	4.96	0.0250	5.00	ND	99.3	61-133			
Toluene	5.07	0.0250	5.00	0.150	98.4	61-130			
o-Xylene	4.95	0.0250	5.00	0.0537	97.9	63-131			
p,m-Xylene	10.1	0.0500	10.0	0.149	99.8	63-131			
Total Xylenes	15.1	0.0250	15.0	0.203	99.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.7*	*70-130*			
Matrix Spike Dup (2415008-MSD1)				**Source: E404049-01**					Prepared: 04/09/24 Analyzed: 04/09/24
Benzene	4.90	0.0250	5.00	0.0330	97.4	54-133	0.481	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.5	61-133	0.234	20	
Toluene	5.06	0.0250	5.00	0.150	98.1	61-130	0.262	20	
o-Xylene	5.04	0.0250	5.00	0.0537	99.7	63-131	1.86	20	
p,m-Xylene	10.1	0.0500	10.0	0.149	99.7	63-131	0.0839	20	
Total Xylenes	15.2	0.0250	15.0	0.203	99.7	63-131	0.560	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.9*	*70-130*			

QC Summary Data

Logos Resources	Project Name:	Section 25 #003 Burial Trench	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Vanessa Fields	4/10/2024 4:57:17PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2415008-BLK1)									Prepared: 04/09/24 Analyzed: 04/09/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2415008-BS2)									Prepared: 04/09/24 Analyzed: 04/09/24
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.8*	*70-130*			
Matrix Spike (2415008-MS2)				**Source: E404049-01**					Prepared: 04/09/24 Analyzed: 04/09/24
Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2415008-MSD2)				**Source: E404049-01**					Prepared: 04/09/24 Analyzed: 04/09/24
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130	2.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			

QC Summary Data

Logos Resources	Project Name:	Section 25 #003 Burial Trench	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Vanessa Fields	4/10/2024 4:57:17PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2415002-BLK1)									Prepared: 04/08/24 Analyzed: 04/09/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.5*		*50.0*		*111*	*50-200*			
LCS (2415002-BS1)									Prepared: 04/08/24 Analyzed: 04/09/24
Diesel Range Organics (C10-C28)	287	25.0	250		115	38-132			
Surrogate: n-Nonane	*57.2*		*50.0*		*114*	*50-200*			
Matrix Spike (2415002-MS1)				**Source: E404045-22**					Prepared: 04/08/24 Analyzed: 04/09/24
Diesel Range Organics (C10-C28)	284	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	*57.2*		*50.0*		*114*	*50-200*			
Matrix Spike Dup (2415002-MSD1)				**Source: E404045-22**					Prepared: 04/08/24 Analyzed: 04/09/24
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132	0.642	20	
Surrogate: n-Nonane	*56.9*		*50.0*		*114*	*50-200*			

QC Summary Data

Logos Resources	Project Name:	Section 25 #003 Burial Trench	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Vanessa Fields	4/10/2024 4:57:17PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2415004-BLK1)									Prepared: 04/08/24 Analyzed: 04/08/24
Chloride	ND	20.0							
LCS (2415004-BS1)									Prepared: 04/08/24 Analyzed: 04/08/24
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2415004-MS1)				**Source: E404045-24**					Prepared: 04/08/24 Analyzed: 04/08/24
Chloride	315	100	250	ND	126	80-120			M6
Matrix Spike Dup (2415004-MSD1)				**Source: E404045-24**					Prepared: 04/08/24 Analyzed: 04/08/24
Chloride	317	100	250	ND	127	80-120	0.736	20	M6

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Logos Resources	Project Name:	Section 25 #003 Burial Trench	
2010 Afton Place	Project Number:	12035-0114	**Reported:**
Farmington NM, 87401	Project Manager:	Vanessa Fields	04/10/24 16:57

M6	Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Client:	Logos Resources
Project:	Section 25 #3 Burial Trench
Project Manager:	Vanessa Fields
Address:	1210 Afton Place
City, State, Zip	Farmington NM 87401
Phone:	505 320 1243
Email:	vfields@logosresourcesllc.com
Report due by:	

Bill To

Attention:	Vanessa Fields
Address:	1210 Afton Place
City, State, Zip	Farmington NM 87401
Phone:	505 320 1243
Email:	vfields@logosresourcesllc.com lgarcilla@logosresourcesllc.com

Lab Use Only

Lab WO#	Job Number
E404049	12035-0014

TAT

1D	2D	3D	Standard
	X		

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005- TX	Remarks
1:14	4/8/24	S	1	8pnt-Cuttings Pit	1	X	X	X			X			

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/8/24	1:46		4/8/24	13:48
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/8/2024 2:40:19PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Logos Resources	Date Received:	04/08/24 13:48	Work Order ID:	E404049
Phone:	(505) 787-9100	Date Logged In:	04/08/24 14:23	Logged In By:	Angelina Pineda
Email:	vfields@logosresourcesllc.com	Due Date:	04/10/24 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Lacey Granillo
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab:

Client Instruction

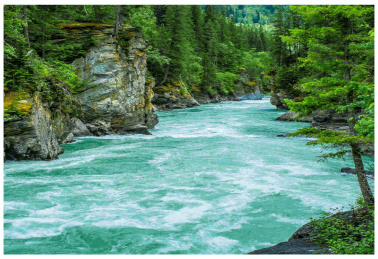
Signature of client authorizing changes to the COC or sample disposition.

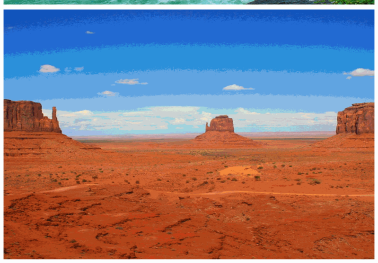
Date

envirotech Inc.

Report to:

Vanessa Fields





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Logos Resources

Project Name:	Section 25 # 3 Drying Pond
Work Order:	E404052
Job Number:	12035-0114
Received:	4/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/12/24

Date Reported: 4/12/24

Vanessa Fields
2010 Afton Place
Farmington, NM 87401

Project Name: Section 25 # 3 Drying Pond
Workorder: E404052
Date Received: 4/9/2024 11:37:00AM

Vanessa Fields,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/9/2024 11:37:00AM, under the Project Name: Section 25 # 3 Drying Pond.

The analytical test results summarized in this report with the Project Name: Section 25 # 3 Drying Pond apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Logos Resources	Project Name:	Section 25 # 3 Drying Pond	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Vanessa Fields	04/12/24 09:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
5 -PNT	E404052-01A	Soil	04/08/24	04/09/24	Glass Jar, 2 oz.

Sample Data

Logos Resources	Project Name:	Section 25 # 3 Drying Pond	
2010 Afton Place	Project Number:	12035-0114	**Reported:**
Farmington NM, 87401	Project Manager:	Vanessa Fields	4/12/2024 9:21:17AM

5 -PNT

E404052-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2415008
Benzene	ND	0.0250	1	04/09/24	04/09/24	
Ethylbenzene	ND	0.0250	1	04/09/24	04/09/24	
Toluene	**0.0343**	0.0250	1	04/09/24	04/09/24	
o-Xylene	ND	0.0250	1	04/09/24	04/09/24	
p,m-Xylene	ND	0.0500	1	04/09/24	04/09/24	
Total Xylenes	ND	0.0250	1	04/09/24	04/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*04/09/24*	*04/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2415008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/24	04/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*04/09/24*	*04/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2415026
Diesel Range Organics (C10-C28)	**749**	25.0	1	04/10/24	04/11/24	
Oil Range Organics (C28-C36)	**504**	50.0	1	04/10/24	04/11/24	
Surrogate: n-Nonane		*126 %*	*50-200*	*04/10/24*	*04/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2415017
Chloride	**285**	20.0	1	04/09/24	04/09/24	

QC Summary Data

Logos Resources	Project Name:	Section 25 # 3 Drying Pond	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Vanessa Fields	4/12/2024 9:21:17AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2415008-BLK1)									Prepared: 04/09/24 Analyzed: 04/09/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.52*		*8.00*		*94.0*	*70-130*			
LCS (2415008-BS1)									Prepared: 04/09/24 Analyzed: 04/09/24
Benzene	4.85	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.86	0.0250	5.00		97.2	70-130			
o-Xylene	4.84	0.0250	5.00		96.8	70-130			
p,m-Xylene	9.86	0.0500	10.0		98.6	70-130			
Total Xylenes	14.7	0.0250	15.0		98.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike (2415008-MS1)				**Source: E404049-01**					Prepared: 04/09/24 Analyzed: 04/09/24
Benzene	4.92	0.0250	5.00	0.0330	97.8	54-133			
Ethylbenzene	4.96	0.0250	5.00	ND	99.3	61-133			
Toluene	5.07	0.0250	5.00	0.150	98.4	61-130			
o-Xylene	4.95	0.0250	5.00	0.0537	97.9	63-131			
p,m-Xylene	10.1	0.0500	10.0	0.149	99.8	63-131			
Total Xylenes	15.1	0.0250	15.0	0.203	99.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.7*	*70-130*			
Matrix Spike Dup (2415008-MSD1)				**Source: E404049-01**					Prepared: 04/09/24 Analyzed: 04/09/24
Benzene	4.90	0.0250	5.00	0.0330	97.4	54-133	0.481	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.5	61-133	0.234	20	
Toluene	5.06	0.0250	5.00	0.150	98.1	61-130	0.262	20	
o-Xylene	5.04	0.0250	5.00	0.0537	99.7	63-131	1.86	20	
p,m-Xylene	10.1	0.0500	10.0	0.149	99.7	63-131	0.0839	20	
Total Xylenes	15.2	0.0250	15.0	0.203	99.7	63-131	0.560	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.9*	*70-130*			

QC Summary Data

Logos Resources	Project Name:	Section 25 # 3 Drying Pond	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Vanessa Fields	4/12/2024 9:21:17AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2415008-BLK1)									Prepared: 04/09/24 Analyzed: 04/09/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2415008-BS2)									Prepared: 04/09/24 Analyzed: 04/09/24
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.8*	*70-130*			
Matrix Spike (2415008-MS2)				**Source: E404049-01**					Prepared: 04/09/24 Analyzed: 04/09/24
Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2415008-MSD2)				**Source: E404049-01**					Prepared: 04/09/24 Analyzed: 04/09/24
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130	2.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			

QC Summary Data

Logos Resources	Project Name:	Section 25 # 3 Drying Pond	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Vanessa Fields	4/12/2024 9:21:17AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2415026-BLK1)									Prepared: 04/10/24 Analyzed: 04/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.2*		*50.0*		*114*	*50-200*			
LCS (2415026-BS1)									Prepared: 04/10/24 Analyzed: 04/10/24
Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
Surrogate: n-Nonane	*56.0*		*50.0*		*112*	*50-200*			
LCS Dup (2415026-BSD1)									Prepared: 04/10/24 Analyzed: 04/10/24
Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132	0.233	20	
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*50-200*			

QC Summary Data

Logos Resources	Project Name:	Section 25 # 3 Drying Pond	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Vanessa Fields	4/12/2024 9:21:17AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2415017-BLK1)									Prepared: 04/09/24 Analyzed: 04/09/24
Chloride	ND	20.0							
LCS (2415017-BS1)									Prepared: 04/09/24 Analyzed: 04/09/24
Chloride	251	20.0	250		100	90-110			
LCS Dup (2415017-BSD1)									Prepared: 04/09/24 Analyzed: 04/09/24
Chloride	250	20.0	250		99.9	90-110	0.473	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Logos Resources	Project Name:	Section 25 # 3 Drying Pond	
2010 Afton Place	Project Number:	12035-0114	**Reported:**
Farmington NM, 87401	Project Manager:	Vanessa Fields	04/12/24 09:21

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Client:	Logos Resources
Project:	Section 25 #3 Drying Pad
Project Manager:	Vanessa Fields
Address:	2010 Afton Pl
City, State, Zip	Farmington 87401
Phone:	505 330 1243
Email:	Vfields@logosresourcesllc.com
Report due by:	30 day

Bill To

Attention:	Vanessa Fields
Address:	2010 Afton Pl
City, State, Zip	Farmington 87401
Phone:	505 330 1243
Email:	Vfields@logosresourcesllc.com lgranillo@logosresourcesllc.com

Lab Use Only

Lab WO# E404052

Job Number 12035-0114

TAT

1D	2D	3D	Standard
		X	

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005- TX	Remarks
11:27	4/8/24	S	1	5-PNT	1	X	X	X			X			

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/9/24	10:51		4/9/24	11:37
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/9/2024 1:41:52PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Logos Resources	Date Received:	04/09/24 11:37	Work Order ID:	E404052
Phone:	(505) 787-9100	Date Logged In:	04/09/24 11:55	Logged In By:	Angelina Pineda
Email:	vfields@logosresourcesllc.com	Due Date:	04/12/24 17:00 (3 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Lacey Granillo
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

From:	Etta Trujillo
To:	Venegas, Victoria, EMNRD; nelson.velez@state.nm.us
Cc:	Vanessa Fields; Marcia Brueggenjohann; Robert Bixler; Robert Jordan; Darren Rowley; Tyler Smith; Eydel Sigala; Bryan Lovato; Randy Edgeington
Subject:	72 Hour Notice - Section 25 Burial Trench #3
Date:	Monday, April 4, 2022 2:21:00 PM
Attachments:	image001.jpg

LOGOS is providing 72-hour notification per NMAC 149.15.17.11 to install the liner on Section 25 Drying Pad/Burial Trench #3 on Thursday, April 7, 2022.

UL D, Section 25, T31N, R06W
36.874940,-107.419135
fcs1912236570

Thank you,

Etta Trujillo
Regulatory Specialist
Office: 505-324-4154
Cell: 505-258-2936
etrujillo@logosresourcesllc.com

Natural Resources Specialist (NRS)
6251 College Blvd., Suite A
Farmington, NM 87402
Office: 505-564-7665
Mobile: 505-635-0984

From: Vanessa Fields <vfields@logosresourcesllc.com>
Sent: Wednesday, April 3, 2024 1:19 PM
To: Venegas, Victoria, EMNRD <Victoria.Venegas@emnrd.nm.gov>; Adeloye, Abiodun A <aadeloye@blm.gov>
Cc: Robert Bixler <rbixler@logosresourcesllc.com>; Tyler Smith <tyler.smith@logosresourcesllc.com>; Richard Martin <rmartin@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Lacey Granillo <lgranillo@logosresourcesllc.com>; Marcia Brueggenjohann <mbrueggenjohann@logosresourcesllc.com>; Krista McWilliams <kmcwilliams@logosresourcesllc.com>
Subject: [EXTERNAL] 72 Hour Notice Monday April 8, 2024 @11:00am. Final Confirmation Sampling LOGOS Section 25 #003 Burial Trench Permit # FCS1912236570

Good afternoon,

LOGOS is providing 72 Hour Notice for final confirmation sampling at LOGOS Section 25 #003 Burial Trench Permit # FCS1912236570.

Final confirmation samples will be collected Monday April 8, 2024 @11:00am.

Thank you,

Vanessa Fields
Regulatory Manager
Email: vfields@logosresourcesllc.com
Office: 505-787-2218
Cell: 505-320-1243

Section 25 Recycling Containment/Burial Trench #3 – Final Photos

Section 25 Recycling Containment/Burial Trench #3 – Final Photos

Section 25 Recycling Containment/Burial Trench #3 – Final Photos

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

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

CONDITIONS

Action 376928

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 376928
	Action Type: [C-144] Temporary Pit Plan (C-144T)

CONDITIONS

Created By	Condition	Condition Date
joseph.kennedy	None	8/27/2024