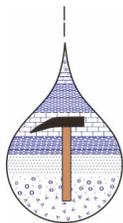


NM1 - _____ 35 _____

**Facility Inspection
and
Vadose Zone
Monitoring Report**

July 2023



Clay Kilmer, LLC
Environmental Geoscience
Water Resources

August 7, 2023

Electronic Delivery

Mr. Brad Jones
Environmental Permitting Group
New Mexico Oil Conservation Division (OCD)
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, NM, 87505

**RE : Lea Land LLC, Surface Waste Management Facility
OCD Permit No. NM1-35
Transmittal of July 2023 Facility Inspection Report
and July 2023 Vadose Zone Monitoring Report**

Dear Mr. Jones:

Transmitted herein are copies of the Vadose Zone monitoring report and Facility Inspection Report for monitoring and inspection events conducted at the Lea Land LLC Surface Waste Management Facility in Lea County, New Mexico on July 30 and July 31, 2023.

No free liquid, methane, hydrogen sulfide, or carbon monoxide were detected in any of the monitoring wells during the vadose zone monitoring event. No issues were identified relative to inspection parameters for the landfill, leachate and stormwater controls at the surface waste management facility.

Thanks very much for your effort to review this document. Please contact me with your questions and comments.

Sincerely,

A handwritten signature in blue ink that reads "Clay Kilmer". The signature is written in a cursive style.

Clay Kilmer
Sr. Hydrogeologist

Attachment: Lea Land LLC July 30, 2023 Facility Inspection Report
Lea Land LLC July 31, 2023 Vadose Zone Monitoring Report

cc: Stephanie Grantham, President, Lea Land, LLC.
Joe Ontiveros, Site Manager, Lea Land LLC
I Keith Gordon, P.E., IKG, LLC

Clay Kilmer LLC
3312 June Street, Northeast
Albuquerque, NM 87111
(505) 235-4482
claykilmer@gmail.com

Lea Land LLC Surface Waste Management Facility
 Application for Permit Modification
 Volume II: Facility Management Plans
 Section 1: Operations, Inspection, and Maintenance Plan
 June 2019

ATTACHMENT II.1.C - Inspection Form (Typical)

Date: 7-30-2020

Print Name: JOE OUTIVIEROS

Others: _____

Signature: [Signature]

Inspection will be in accordance with NMOCD operational conditions

| Item | Satisfactory | Action Required |
|--|--------------|------------------------------------|
| Entrance Sign | ✓ | |
| Berms and outside pond levees | ✓ | |
| Tank Labels | NA | |
| Sumps | NA | |
| Pond levels three-foot free board | ✓ | |
| Free oil on Pits-Ponds | NA | |
| Pit and Pond condition | ✓ | |
| Pit and Pond marker numbers | NA | |
| Treatment Plant inspection | NA | |
| Solid waste disposal area inspection | NA | |
| Blowing trash | ✓ | |
| Fences and Gates | ✓ | |
| Leak detection sumps - Landfill - Liquid present? | NA | (Monthly analysis required if yes) |
| Leak detection sumps - Evaporation Ponds - Liquid present? | NA | (Monthly analysis required if yes) |
| Leak detection sumps - Jet Out Pit - Liquid present? | NA | (Monthly analysis required if yes) |
| Leak detection sumps - Stab. & Solid. - Liquid present? | NA | (Monthly analysis required if yes) |
| Landfill Leachate Sump | ✓ | |
| Vadose Zone Monitoring | NA | |
| Pond Sludge Depth | NA | |

*Comments & Repairs: _____

H₂S

READINGS ARE TO BE TAKEN 4 FT DOWNWIND FROM EVAPORATION PONDS

Evaporation Pond (readings in ppm):

| POND | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|------|---|---|---|---|---|---|---|---|----|----|----|
| | | | | | | | | | | | |

NA

*In the event that a reading of 10 ppm is registered at the Facility, **IMPLEMENT THE CONTINGENCY PLAN!**

Personnel will evacuate the area and operator will monitor H₂S levels downwind of the Pond.

If H₂S levels reach 20 ppm, the Facility will be closed and notification will be given to the following:

- | | | | |
|-------------------------|--------------|----------------|--------------|
| Lea Land Office | 575-887-4048 | NMOCD Hobbs | 575-393-6161 |
| New Mexico State Police | 575-392-5580 | NMOCD Santa Fe | 505-476-3440 |
| Eddy County Sheriff | 575-887-1888 | | |
| Lea County Sheriff | 575-397-3611 | | |

Receipt & Approval

Name: _____

Date: _____

Vadose Zone Well Monitoring Log

Lea Land LLC
 Surface Waste Management Facility
 Lea County, New Mexico

Date: 7.31.23

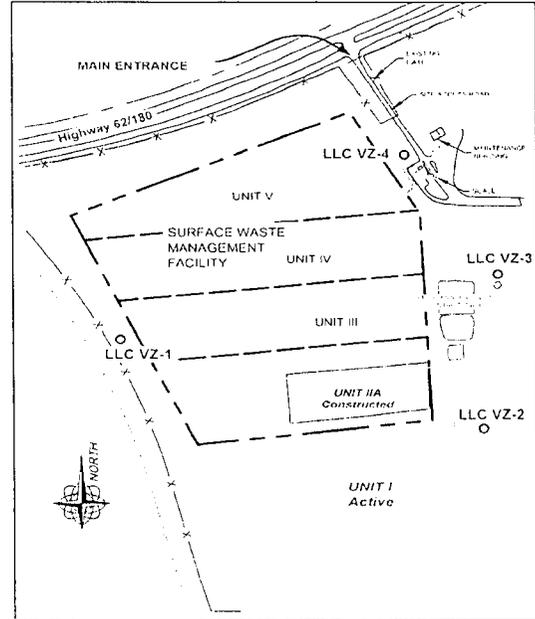
Monitored by: G. Quiñones

Weather Information

Date and Amount of Last Precipitation: 0 inches
 Current Temp: 88 °F
 Current Wind Speed: 10 mph
 Current Wind Direction: N
 Current Barometric Pressure: 30.00 in. Hg
 Barometric Pressure Trend: ↓

Gas Detection Equipment

Monitoring Equipment Used: GasAlert MAX
 Date and Time Last Calibrated: 7.31.23



| Vadose Zone Well Vapor Data | | | | | | | |
|-------------------------------------|------|------|---|---|--------------------------------------|--------------------|--------|
| Vadose Zone Well Designation | Date | Time | Screen Interval Depth Below Top Casing (feet) | CH ₄ Concentration (% LEL) | H ₂ S (ppm) | O ₂ (%) | CO (%) |
| LLC VZ-1 | 7/31 | 8:30 | 27.75 - 37.75 | 0 | 0 | 20.1 | 0 |
| LLC VZ-2 | 7/31 | 8:49 | 68.38 - 78.38 | 0 | 0 | 20.1 | 0 |
| LLC VZ-3 | 7/31 | 9:12 | 50.57 - 60.57 | 0 | 0 | 20.1 | 0 |
| LLC VZ-4 | 7/31 | 9:25 | 40.58 - 50.58 | 0 | 0 | 20.1 | 0 |
| <i>supplemental data</i> | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Vadose Zone Well Fluid Measurements | | | | | | | |
| Vadose Zone Well Designation | Date | Time | Well Diameter (inch) | Total Well Depth Below Top of Casing (feet) | Fluid Level Below Top of Casing (ft) | Comments | |
| LLC VZ-1 | 7/31 | 8:30 | 2 | 37.75 | — | | |
| LLC VZ-2 | 7/31 | 8:49 | 2 | 78.38 | — | N/A | |
| LLC VZ-3 | 7/31 | 9:12 | 2 | 60.57 | — | | |
| LLC VZ-4 | 7/31 | 9:25 | 2 | 50.58 | — | | |
| <i>supplemental data</i> | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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 249975

CONDITIONS

| | |
|---|---|
| Operator: LEA LAND, LLC 1300 W Main St Oklahoma City, OK 73106 | OGRID: 195376 |
| | Action Number: 249975 |
| | Action Type: [C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| bjones | None | 8/9/2023 |