

NM1 - _____35_____

**Facility Inspection
and
Vadose Zone
Monitoring Report**

April 2023

Jones, Brad, EMNRD

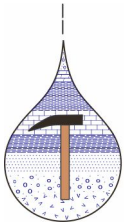
From: claykilmer@gmail.com
Sent: Friday, May 5, 2023 12:13 PM
To: Jones, Brad, EMNRD
Cc: lealand.sgrantham; Joe Ontiveros; Gordon, I
Subject: [EXTERNAL] Transmittal - April 2023 Facility and Vadse Zone Monitoring Reports - Lea Land LLC
Attachments: Transmit Lea Land LLC. APR-2023 VZ-FCA REPORT.pdf

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

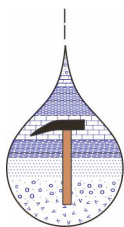
Hello Mr. Jones:

Attached is a file with transmittal and reports for April 2023 monitoring at the Lea Land LLC surface waste management facility. A hard copy was also mailed to you today. Please let me know if you have any questions or comments, or if you need further action from us on this.

Thanks,
Clay Kilmer



Clay Kilmer, LLC
Environmental Geoscience
Water Resources
3312 June St. NE
Albuquerque, NM 87111
(505) 235-4482



Clay Kilmer, LLC
Environmental Geoscience
Water Resources

May 5, 2023

Delivered: Electronically, Hard copy by mail

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 March 2023 Facility Inspection Report
and 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 April 30 and May 3-4, 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 fluid and cursive.

Clay Kilmer
Sr. Hydrogeologist

Attachment: Lea Land LLC April 30, 2023 Facility Inspection Report
Lea Land LLC May 4-5, 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: 04-30-2023Print Name: Joe Antiveros

Others: _____

Signature: Joe Antiveros

Inspection will be in accordance with NMOCD operational conditions.

| Item | Satisfactory | Action Required |
|--|--------------|------------------------------------|
| Entrance Sign | ✓ | |
| Berms and outside pond levees | ✓ | |
| Tank Labels | ✓ | |
| Sumps | ✓ | |
| Pond levels three-foot free board | ✓ | |
| Free oil on Pits-Ponds | ✓ | |
| Pit and Pond condition | NA | |
| Pit and Pond marker numbers | NA | |
| Treatment Plant inspection | NA | |
| Solid waste disposal area inspection | ✓ | |
| Blowing trash | ✓ | |
| Fences and Gates | ✓ | |
| Leak detection sumps - Landfill - Liquid present? | ✓ | (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 | ✓ | |
| Pond Sludge Depth | ✓ | |

*Comments & Repairs: _____

H₂S

READINGS ARE TO BE TAKEN 4 FT DOWNWIND FROM EVAPORATION PONDS

Evaporation Pond (readings in ppm):

POND

1
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
New Mexico State Police 575-392-5580
Eddy County Sheriff 575-887-1888
Lea County Sheriff 575-397-3611

NMOCD Hobbs 575-393-6161
NMOCD Santa Fe 505-476-3440

Receipt & Approval

Name: _____

Date: _____

Vadose Zone Well Monitoring Log

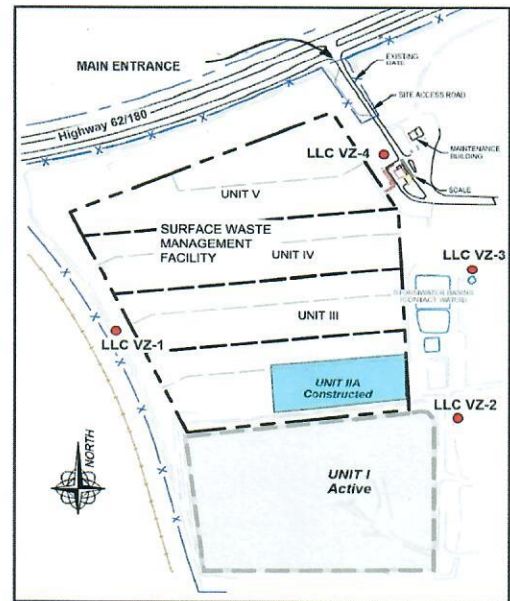
Lea Land LLC
Surface Waste Management Facility
Lea County, New Mexico

Date: 5-3-23Monitored by: K.IMER

Weather Information

Date and Amount of Last Precipitation: 5-3-23 0.20 inchesCurrent Temp: 82 °FCurrent Wind Speed: 5 mphCurrent Wind Direction: SWCurrent Barometric Pressure: 26.27 in. HgBarometric Pressure Trend: Steady

Gas Detection Equipment

Monitoring Equipment Used: MultiRae LiteDate and Time Last Calibrated: 5-3-23 14:30

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 | 5-3-23 | 14:38 | 27.75 - 37.75 | 0.0 | 0.0 | 20.9 | 0.0 |
| LLC VZ-2 | 5-3-23 | 15:01 | 68.38 - 78.38 | 0.0 | 0.0 | 20.9 | 0.0 |
| LLC VZ-3 | 5-4-23 | 08:50 | 50.57 - 60.57 | 0.0 | 0.0 | 20.9 | 0.0 |
| LLC VZ-4 | 5-4-23 | 09:08 | 40.58 - 50.58 | 0.0 | 0.0 | 20.9 | 0.0 |

supplemental data

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 | 5-3-23 | 14:38 | 2 | 37.75 | Dry @ 37.75 | |
| LLC VZ-2 | 5-3-23 | 15:01 | 2 | 78.38 | Dry @ 78.38 | |
| LLC VZ-3 | 5-4-23 | 08:50 | 2 | 60.57 | Dry @ 60.57 | |
| LLC VZ-4 | 5-4-23 | 09:08 | 2 | 50.58 | Dry @ 50.58 | |

supplemental data

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 215423

CONDITIONS

| | |
|---|---|
| Operator: LEA LAND, LLC 1300 W Main St Oklahoma City, OK 73106 | OGRID: 195376 |
| | Action Number: 215423 |
| | Action Type: [C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| bjones | None | 5/10/2023 |