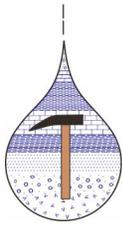


NM1 - _35_

**Facility Inspection
and
Vadose Zone
Monitoring Report**

October 2022



Clay Kilmer, LLC
Environmental Geoscience
Water Resources

October 31, 2022

Delivered: Electronically, Hard copy by mail

Ms. Leigh Barr
Permitting Group Supervisor
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 October 2022 Facility Inspection Report
and Vadose Zone Monitoring Report**

Dear Ms. Barr:

Transmitted herein are copies of 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 October 27, and on October 31, 2022, respectively.

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".

Clay Kilmer
Sr. Hydrogeologist

Attachment: Lea Land LLC October 31, 2022 Facility Inspection Report
Lea Land LLC October 27, 2022 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

Vadose Zone Well Monitoring Log

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

Date: 2022/10/27

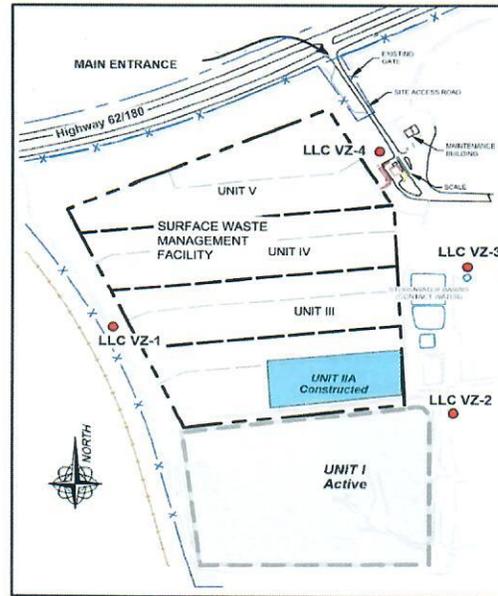
Monitored by: Clay Kilmer

Weather Information

Date and Amount of Last Precipitation: 10/25/22 0.01 inches
 Current Temp: 77 °F
 Current Wind Speed: 15 mph
 Current Wind Direction: SW
 Current Barometric Pressure: 29.87 in. Hg
 Barometric Pressure Trend: DOWN

Gas Detection Equipment

Monitoring Equipment Used: RATE 5 gas meter
 Date and Time Last Calibrated: 2022/10/27 14:00



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	10/27/22	14:25	27.75 - 37.75	0.0	0.0	20.9	0.0
LLC VZ-2	10/27/22	14:35	68.38 - 78.38	0.0	0.0	21.0	0.0
LLC VZ-3	10/27/22	14:45	50.57 - 60.57	0.0	0.0	20.9	0.0
LLC VZ-4	10/27/22	14:55	40.58 - 50.58	0.0	0.0	20.9	0.0
<i>supplemental data</i>							
Vadose Zone Well Fluid Measurements							Comments
Vadose Zone Well Designation	Date	Time	Well Diameter (inch)	Total Well Depth Below Top of Casing (feet)	Fluid Level Below Top of Casing (ft)		
LLC VZ-1	10/27/22	14:10	2	37.75			
LLC VZ-2	10/27/22	14:30	2	78.38			
LLC VZ-3	10/27/22	14:40	2	60.57			
LLC VZ-4	10/27/22	14:50	2	50.58			
<i>supplemental data</i>							

Lea Land LLC
Surface Waste Management Facility
OCD Permit No. NM1-35

Inspection Form

Date: 10-31-22
 Others: _____

Print Name: Joe Quijeros
 Signature: Joe Quijeros

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 | 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: _____

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 157008

CONDITIONS

Operator: LEA LAND, LLC 1300 W Main St Oklahoma City, OK 73106	OGRID: 195376
	Action Number: 157008
	Action Type: [C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL)

CONDITIONS

Created By	Condition	Condition Date
bjones	None	11/8/2022