

**NM1 -35**

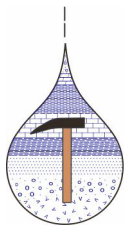
**Facility Inspection**

**and**

**Vadose Zone**

**Monitoring Report**

**January 2025**



Clay Kilmer, LLC  
Environmental Geoscience  
Water Resources

February 6, 2025

Electronic Delivery

Mr. Joseph Kennedy  
New Mexico Oil Conservation Division  
Environmental Bureau  
1220 South St Francis Dr.  
Santa Fe, New Mexico 87505

**RE : Lea Land LLC, Surface Waste Management Facility  
OCD Permit No. NM1-35  
Transmittal of January 2025 Facility Inspection Report  
and January 2025 Vadose Zone Monitoring Report**

Dear Mr. Kennedy:

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 January 27, 2025.

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,

Clay Kilmer  
Sr. Hydrogeologist

Attachment: Lea Land LLC January 27, 2025, Facility Inspection Report  
Lea Land LLC January 27, 2025 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  
OCD Permit No. NM1-35

Inspection Form

Date: 1.27.25

Print Name: GERONIMO DUTRAS

Others: \_\_\_\_\_

Signature: \_\_\_\_\_

Inspection will be in accordance with NMOCDD 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	2/2	
Pit and Pond marker numbers	2/2	
Treatment Plant inspection	2/2	
Solid waste disposal area inspection	2/2	
Blowing trash	✓	
Fences and Gates	✓	
Leak detection sumps - Landfill - Liquid present?	✓	(Monthly analysis required if yes)
Leak detection sumps - Evaporation Ponds - Liquid present?	2/2	(Monthly analysis required if yes)
Leak detection sumps - Jet Out Pit - Liquid present?	2/2	(Monthly analysis required if yes)
Leak detection sumps - Stab. & Solid. - Liquid present?	2/2	(Monthly analysis required if yes)
Landfill Leachate Sump	✓	
Vadose Zone Monitoring	✓	
Pond Sludge Depth	✓	
*Comments & Repairs:		

H<sub>2</sub>S

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	

\*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 H<sub>2</sub>S levels downwind of the Pond.

If H<sub>2</sub>S 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

NMOCDD Hobbs 575-393-6161  
NMOCDD 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

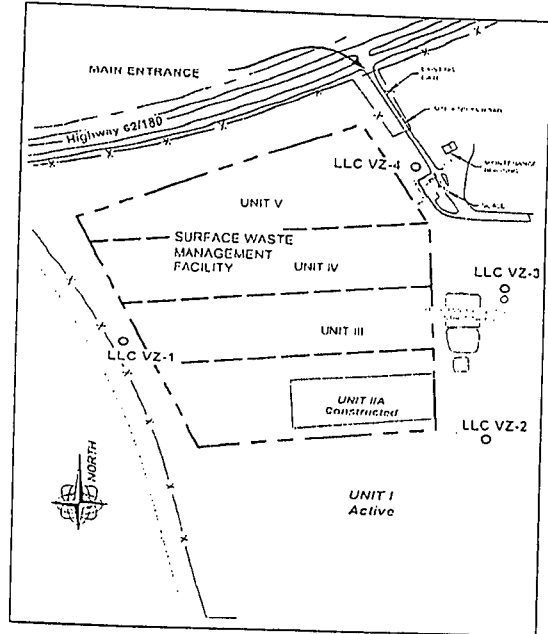
Date: 1-27-25Monitored by: G. Ontiveros

## Weather Information

Date and Amount of Last Precipitation: N/A inches  
Current Temp: 54 °F  
Current Wind Speed: 15 mph  
Current Wind Direction: NNW  
Current Barometric Pressure: 29.78 in. Hg  
Barometric Pressure Trend: ↑

## Gas Detection Equipment

Monitoring Equipment Used: Gas Alert Max  
Date and Time Last Calibrated: 1-27-25



## Vadose Zone Well Vapor Data

Vadose Zone Well Designation	Date	Time	Screen Interval Depth Below Top Casing (feet)	CH <sub>4</sub> Concentration (% LEL)	H <sub>2</sub> S (ppm)	O <sub>2</sub> (%)	CO (%)
LLC VZ-1		1:07	27.75 - 37.75	0	0	20.9	0
LLC VZ-2		1:22	68.38 - 78.38	0	0	20.2	0
LLC VZ-3		1:41	50.57 - 60.57	0	0	20.7	0
LLC VZ-4		1:53	40.58 - 50.58	0	0	20.7	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		1:07	2	37.75	0	
LLC VZ-2		1:22	2	78.38	0	
LLC VZ-3		1:41	2	60.57	0	
LLC VZ-4		1:53	2	50.58	0	
supplemental data						

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 429208

CONDITIONS

Operator: LEA LAND, LLC 1300 W Main St Oklahoma City, OK 73106	OGRID: 195376
	Action Number: 429208
	Action Type: [C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL)

CONDITIONS

Created By	Condition	Condition Date
joseph.kennedy	None	2/10/2025