

**DATE:** June 20, 2025

**TO:** Emily Brickman, P.G., *Senior Project Manager – Geologist, EnSafe*

**FROM:** Caleb Gourley, Senior Staff Scientist, Harbor

**RE:** Bi-weekly Site Inspection  
NABORS Landfill  
Mountain Home, AR  
*Harbor Project No: L8247885*

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Harbor visited the NABORS landfill in Mountain Home, Arkansas on June 17, 2025, to conduct the bi-weekly site inspection to assess the general condition of the landfill and the leachate collection system (LCS). The LCS was last fully repaired by Advanced Fluid Technologies (AFT) in October and November of 2022; however, within a few weeks of these repairs, the LCS began malfunctioning. By March 2023, most of the LCS points were malfunctioning. A quote was then requested and received from AFT to again repair the system. No authorization for the subsequent repairs was provided prior to the expiration of Harbor's contract with DEQ in June 2023.

Landmarc Environmental (Landmarc), a company specializing in LCS installation and service, conducted a full assessment of the LCS on December 3-4, 2024. A report summarizing these activities was submitted on January 20, 2025. Harbor discontinued site visits in February 2025 until DEQ approved a new budget for activities occurring at NABORS. The budget was approved on April 3, 2025, and site visits will continue until 2026.

The LCS remains largely unchanged from previous inspections. Findings and observations from the current landfill inspection are summarized below:

- Vertical leachate collection sump (VLCS)-1 is not functioning correctly. While Harbor was on-site, the Harbor contracted leachate hauler, 417 Services LLC (417 Services) was also on-site and had just recently pumped out VLCS-1. However, evidence of recent overflows was observed (see photographs 1-2). It appears that a fuse holder is missing a metal contact piece, which is causing the sump to malfunction.
  - VLCS-2 appeared to be functioning correctly and was observed at 1/2 capacity.
  - The leachate tank battery level was 86.8 inches. It appears that the leachate tank level indicator is functioning correctly.
  - Minimal stormwater was observed in the tank containment, as 417 Services were actively pumping the containment out (see photograph 3).
  - The panel displays were off at all LCS stations except LCS-2, LCS-5, and LCS-7.
  - LCS-2 level was at 0.0 inches and did not activate when the sump was placed in "hand" or "auto" mode. LCS-2 also displayed a pump fault alarm.
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- LCS-5 level remained at 9.7 inches and did not activate when the sump was placed in “hand” or “auto” mode.
- LCS-7 level was at 0.0” and the station displayed a pump fault.
- The display at LCS-9 had been removed.
- An erosional washout is present along the road between LCS-4 and LCS-5.
- Damaged closure turf was observed on the east side of Area 1-3, above LCS-7 (see photographs 4-5).

Attachment A is a map showing the LCS points. Photographs are included in Attachment B. Copies of the field notes and the LCS status form are included in Attachment C.

The leachate collection system has been functioning at a minimal level, resulting in some leachate generation, mainly by placing some of the LCS points in “hand” mode. 417 Services began hauling leachate on July 2, 2024.

As of February 23, 2025, 417 Services hauled 226 loads of leachate (866,700 gallons) to the City of Springfield, Missouri wastewater treatment plant under wastewater contribution permit #593.

No leachate was hauled between February 24, 2025, and April 10, 2025. 417 Services resumed hauling leachate on April 11, 2025. Since hauling resumed in April 2025, and as of June 8, 2025, 54 loads of leachate (207,900 gallons) have been hauled to the City of Springfield for disposal.

**Attachments:**

*Attachment A – Site Map*

*Attachment B – Site Photographs*

*Attachment C – Field Notes and Leachate Collection System Status Form*

**Attachment A**

**Site Map**

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**Attachment B**

**Site Photographs**

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**Photograph 1:** View of erosional rill from VLCS-1 overflow.



**Photograph 2:** View of VLCS-1 sump recently pumped out.





**Photograph 3:** View of leachate tank containment.



**Photograph 4:** View of damaged closure turf on east side of Area 1-3.





**Photograph 5:** View of damaged closure turf on east side of Area 1-3.



## **Attachment C**

### **Field Notes and Leachate Collection System Status Inspection Form**

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## ATTACHMENTS

Nabors Landfill		6/17/25
Bi-weekly site visit		
weather: 80's, clear, slight breeze		
1041:	C. Gowby on-site	
1044:	Arrive at VLCS-2	
1046:	Arrive @ VLCS-1	
	- station <del>empty</del> empty, fills up	
1051:	Arrive @ leachate Tank containment	
	- 412 on-site, minimal SW	
	tank level @ 86.8"	
1058:	Arrive @ LCS-1	
1102:	Arrive @ LCS-2: 1853, 0.0, PF	
1104:	Arrive @ LCS-3	
1106:	Arrive @ LCS-4	
1108:	Arrive @ LCS-5: 9.7, 0.50	
1110:	Arrive @ LCS-8	
1113:	Arrive @ LCS-7: 0.0, 29, PF	
	- closure tarp torn	
1117:	Arrive @ LCS-6	
1127:	C. Gowby off-site	





## Leachate Collection System Status

Date: 6/17/25 Arrival Time: 1041 Location: NABORS Landfill Leachate Tank Battery Level (inches): 86.8"  
 Weather Conditions: 80's, clear, slight breeze

Panel Number	Display Functioning (Yes/No)	Leachate Level (inches)	Green Flashing? (Yes/No)	Amber Flashing? (Yes/No)	Red Flashing? (Yes/No)	Working in Hand? (Yes/No)	Working in Auto? (Yes/No)	VFD Status	Hours	Alarm	Comments	
VLCS-1	N/A	N/A	N/A	N/A	N	N	N	N/A	N/A	N/A	Sump status:	empty
VLCS-2	N/A	N/A	N/A	N/A	N	Y	Y	N/A	N/A	N/A	Sump status:	1/2 full
LCS-1	—	—	—	—	—	—	—	—	—	—	station not operational	
LCS-2	Y	0.0	N	N	N	N	N	—	1853	Y	Pump fault	
LCS-3	—	—	—	—	—	—	—	—	—	—	station not operational	
LCS-4	—	—	—	—	—	—	—	—	—	—	" "	
LCS-5	Y	1.7	N	N	N	N	N	—	0	N	station ok	
LCS-6	—	—	—	—	—	—	—	—	—	—	station not operational	
LCS-7	Y	0.0	N	N	N	N	N	—	29	Y	Pump fault	
LCS-8	—	—	—	—	—	—	—	—	—	—	station not operational	
LCS-9	—	—	—	—	—	—	—	—	—	—	" "	
General Comments:												



End of Report

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