

## Kacy Murillo (adpce.ad)

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**Subject:** RE: Nabors Bi-weekly Site Visit

**From:** Caleb Gourley [<mailto:cgourley@harborenv.com>]  
**Sent:** Friday, April 21, 2023 11:22 AM  
**To:** Clay McDaniel (adpce.ad) <[Clay.McDaniel@adeq.state.ar.us](mailto:Clay.McDaniel@adeq.state.ar.us)>  
**Cc:** Tom Huetter <[thuetter@harborenv.com](mailto:thuetter@harborenv.com)>  
**Subject:** Nabors Bi-weekly Site Visit

**AFIN:** 03-00051

**PMT#:** 0249-S1-R2

**Received**

By Kacy Murillo at 3:16 pm, Apr 24, 2023

**DOC ID#:** 83917

**TO:** MM>FILE <KM

Clay,

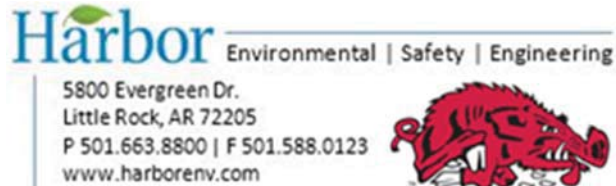
Please see the attached inspection report for the NABORS Landfill site visit conducted on 4/20/23.

If you have any questions, please let us know.

Thank you,

Caleb Gourley, *Project Manager*

C 501.351.0884 · [cgourley@harborenv.com](mailto:cgourley@harborenv.com)



**DATE:** April 21, 2023

**TO:** Clay McDaniel, Project Manager, DEQ - Office of Land Resources

**FROM:** Caleb Gourley, Project Manager, Harbor

**RE:** Bi-weekly Site Inspection  
NABORS Landfill  
Mountain Home, AR

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Harbor visited the NABORS landfill in Mountain Home, Arkansas on April 20, 2023, to conduct the bi-weekly landfill inspection. Findings and observations from the landfill inspection are summarized below:

- Approximately one inch of stormwater was observed in the tank containment. The pH of the stormwater was measured at 8.98 and approximately 0.5 inches of stormwater was released from containment while Harbor was onsite (see photograph 1). The level of leachate in the tanks was measured at 20.2”.
- VLCS-1 was at capacity and overflowing (see photographs 2-3). VLCS-2 appeared to be functioning correctly.
- LCS-1 had a message on its display that read, “Firmware V4.6 Autotest in Progress.” The station was reset, and the normal display was activated. The station has a pump fault.
- LCS-2, LCS-5, and LCS-6 are not operational.
- LCS-3 had a high alarm. Leachate was pumped off in the “hand” mode, which raised the leachate tank level by 0.6 inches (20.9”).
- LCS-4 displayed a “station ok” message.
- LCS-7, LCS-8, and LCS-9 had pump faults.
- A thorough investigation of the closure turf and venting system was conducted while Harbor was on-site (see photographs 4-14).

Photographs are included in Attachment A. A copy of the field notes and the leachate collection system status form are included in Attachment B. Locations of bent/absent vent pipes and closure turf tears are included in Attachment C.

**Attachments:**

*Attachment A – Site Photographs*

*Attachment B – Leachate Collection System Status Form*

*Attachment C – Figure 1: Damaged Liner Points*

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**Attachment A**  
**Site Photographs**

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**Photograph 1:** View of stormwater in leachate tank containment.



**Photograph 2:** View of VLCS-1 at full capacity and overflowing.





**Photograph 3:** View of stressed vegetation from VLCS-1 overflow.



**Photograph 4:** Broken PRV on the east side of Area 1-2.





**Photograph 5:** Broken PRV and closure turf tear on the north side of Area 1-2, near LCS-1.



**Photograph 6:** Bent PRV and closure turf tear on north side of Area 1-2, near LCS-1.





**Photograph 7:** Torn closure turf on south side of Area 1-2, near LCS-4.



**Photograph 8:** Torn closure turf on south side of Area 1-2, near LCS-4.





**Photograph 9:** Closure turf tear around PRV on Area 1-2, near LCS-4.



**Photograph 10:** Torn closure turf around PRV on south side of Area 1-3.





**Photograph 11:** Damaged turbine vent on Area 1-3, near LCS-8.



**Photograph 12:** Torn closure turf around turbine vent on Area 1-3, near LCS-7.





**Photograph 13:** Torn closure turf where vent was on Area 1-3, near LCS-6.



**Photograph 14:** Damaged turbine vent atop Area 1-3.



**Attachment B**

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



Nabors Landfill 4/20/23

151-weekly leachate management  
 weather: 70°, Partly cloudy, breezy

839: C. Gourley on-site  
 842: Arrive at VLCS-2  
 849: Arrive at VLCS-1  
 - sump is at capacity and overflowing. Stressed veg. observed

853: Arrive at leachate tank containment  
 - tank level @ 20.2"  
 - ~1" of stormwater, pH @ 8.98

905: Arrive at LCS-1  
 - no power to VFD. Station reset.  
 Display works, reads pump fault

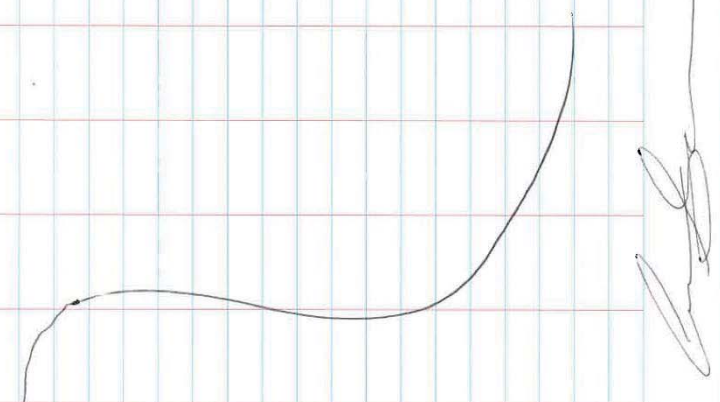
918: Arrive at LCS-2  
 - display functioning, no dialouse on screen. VFD - 06F. Station reset

922: Arrive at LCS-3  
 - not working in auto, leachate pumped in hand

925: Arrive at LCS-4  
 936: Arrive at LCS-5  
 - station has no power

940: Arrive at LCS-9

1000: Arrive at LCS-8  
 1007: Arrive at LCS-7  
 1009: Arrive at LCS-6  
 1031: After manual pump of LCS-3, new tank level @ 20.9"  
 1040: C. Gourley off-site





Leachate Collection System Status

Date: 4/20/23 Arrival Time: 8:39 Location: NABORS Landfill Leachate Tank Battery Level (inches): ~ 1.0"

Weather Conditions: 70's, partly cloudy, breezy

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	
											Sump status:	
VLCS-1	N/A	N/A	N/A	N/A	N	N	N	N/A	N/A	N/A	Sump status: at capacity	
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	Y	0.0	N	N	N	N	N	-	147	Y	Pump fault	
LCS-2	N	-	-	-	-	-	-	06F	-	-	no discharge on display	
LCS-3	Y	23.2 2.6	N	N	N	Y	N	40.0			pumped down to 2.6" in "hard" mode	
LCS-4	Y	0.0	N	N	N	Y	Y	RDY	210	N	Station OK	
LCS-5	-	-	-	-	-	-	-	-	-	-	not operational	
LCS-6	-	-	-	-	-	-	-	RDY	-	-	not operational	
LCS-7	Y	0.0	N	N	Y	N	N	-	Y	Z9	Pump fault	
LCS-8	Y	9.7	N	N	N	N	N	SCF	Y	1376	Pump fault	
LCS-9	Y	0.0	N	N	N	N	N	-	Y	Z1a1	Pump fault	
General Comments:												



**Attachment C**

**Figure 1: Damaged Liner Points**





ID	Latitude	Longitude
1	36.461061	-92.448339
2	36.461754	-92.449142
3	36.461443	-92.450023
4	36.460848	-92.449037
5	36.460532	-92.448822
6	36.460314	-92.448458
7	36.458518	-92.445920
8	36.458709	-92.444926
9	36.459857	-92.445476
10	36.460242	-92.446220
11	36.459839	-92.446145



**Harbor**  
 5800 Evergreen Drive  
 Little Rock, AR 72205  
 P: 501.663.8800  
 www.HarborEnv.com



Legend

- Liner Damage Points

**Figure 1 - Damaged Liner Points**  
 NABORS Landfill  
 Mountain Home, Baxter County, AR  
 Date: 4/20/2023  
 Drawn by: TH  
 Checked by: LR