

Kacy Murillo (adpce.ad)

Subject: RE: Nabors Site Visit 2/9/23

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Received By Kacy Murillo at 4:01 pm, Feb 13, 2023
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TO: MM>FILE <KM

From: Caleb Gourley [mailto:cgourley@harborenv.com]
Sent: Monday, February 13, 2023 10:49 AM
To: Clay McDaniel (adpce.ad)
Subject: Nabors Site Visit 2/9/23

Clay,


Attached is the site inspection memo from the site visit conducted at NABORS Landfill on February 9, 2023.

If you have any questions, please let me know.

Thank you,

Caleb Gourley, *Project Manager*
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DATE: February 13, 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

Harbor visited the NABORS landfill in Mountain Home, Arkansas on February 9, 2023, to conduct the bi-weekly landfill inspection. Findings and observations from the landfill inspection are summarized below:

- There was no water observed in the stormwater containment. The drain plug failed and allowed stormwater in the containment to discharge. The issue was remediated while Harbor was on-site. The level of leachate in the tanks was measured at 115.9”.
- VLCS-1 has reached its capacity and is overflowing (see photograph 1). VLCS-2 appears to be functioning correctly.
- LCS-1 had a dialogue on its display that read “Autotest in Progress” (see photograph 2).
- LCS-2 had a high alarm. The station appears to not be functioning correctly. The “pump-on”, “pump-off”, “high-alarm, and “low-alarm” functions of the sump are all set at 0.0”. These settings are causing a malfunction.
- LCS-3 and LCS-8 had high alarms.
- LCS-4, LCS-6, LCS-7, and LCS-9 appeared to be functioning correctly.
- LCS-5 had a pump fault.
- A piece of torn closure turf and a damaged vent pipe were observed near LCS-1. A turbine vent remains detached near LCS-6. Closure turf is torn in several areas near LCS-4. A new turbine vent has become detached near LCS-8 (see photograph 3-5).

Photographs are included in Attachment A. A copy of the field notes and the leachate collection system status form are included in Attachment B.

Attachments:

Attachment A – Site Photographs

Attachment B – Leachate Collection System Status Form

Attachment A
Site Photographs



Photograph 1: View of VLCS-1 at capacity.



Photograph 2: View of dialogue on LCS-1 display.



Photograph 3: View of damaged closure turf near LCS-4.



Photograph 4: View of damaged closure turf near LCS-4.



Photograph 5: View of detached turbine vent near LCS-8.

Attachment B

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

Nabors Landfill		1/26/23
Bi-weekly site visit		
weather: 30's, clear, sunny		
1050:	C. Gowley	on-site
1054:	Arrive	at VLCS-2
1056:	Arrive	at VLCS-1
		- sump at capacity
1100:	Arrive	at tank containment
		- no power to indicate tank level
		- 6.0" of stormwater in containment
		- pH of 8.78
1107:	Arrive	at LCS-1
1112:	Arrive	at LCS-2
		- station not operational, no power
1114:	Arrive	at LCS-3
		- no power
1116:	Arrive	at LCS-4
		- no power
1118:	Arrive	at LCS-5 - no power
1122:	Arrive	at LCS-9 - no power
1126:	Arrive	at LCS-8 - no power
1130:	Arrive	at LCS-7
1132:	Arrive	at LCS-6
1152:	C. Gowley	off-site

Nabors Landfill		
Bi-weekly site visit		
weather: 50's, cloudy, breezy		
1058:	C. Gowley	on-site
1102:	Arrive	at VLCS-2
1105:	Arrive	at VLCS-1
		- sump at capacity
1108:	Arrive	at leachate tank containment
		- tank level @ 115.9"
		- tank containment plug failed releasing all stormwater in containment
1113:	Arrive	at LCS-1
1118:	Arrive	at LCS-2
		- station settings not correct
1121:	Arrive	at LCS-3
1123:	Arrive	at LCS-4
		- tom closure tarp
1128:	Arrive	at LCS-5
1138:	Arrive	at LCS-9
1140:	Arrive	at LCS-8
1143:	Arrive	at LCS-7
1146:	Arrive	at LCS-6
1155:	C. Gowley	off-site



Leachate Collection System Status

Date: 2/9/23 Arrival Time: 1058 Location: NABORS Landfill Leachate Tank Battery Level (inches): 0.0"
 Weather Conditions: 50's, 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	
VLCS-1	N/A	N/A	N/A	N/A	~	~	~	N/A	N/A	N/A	Sump status:	at capacity
VLCS-2	N/A	N/A	N/A	N/A	~	Y	Y	N/A	N/A	N/A	Sump status:	1/2 full
LCS-1	Y	-	~	~	~	-	-	-	-	-	station reads "Autotest in progress"	
LCS-2	Y	6.6	~	~	~	~	~	-	762	Y	High alarm	
LCS-3	Y	40.7	~	~	~	Y	Y	-	60	Y	" "	
LCS-4	Y	22.3	~	~	~	Y	Y	✓	210	~	station ok	
LCS-5	Y	23.8	~	~	Y	~	~	-	9	Y	Pump fault	
LCS-6	Y	22.6	~	~	~	Y	Y	-	26	~	station ok	
LCS-7	Y	13.9	~	~	~	~	~	-	29	~	" "	
LCS-8	Y	9.7	~	Y	~	Y	Y	-	889	Y	High Alarm	
LCS-9	Y	0.0	~	~	~	Y	Y	✓	2191	~	Station ok	
General Comments:												