

Haley Griffith (adpce.ad)

To: Clay McDaniel (adpce.ad); OLRAdmin
Subject: RE: NABORS Landfill Bi-weekly Site Inspection

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Received
By Haley Griffith at 9:52 am, Jun 15, 2023
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TO: MM>FILE <HG

From: Tom Huetter [<mailto:thuetter@harborenv.com>]
Sent: Tuesday, June 13, 2023 9:28 AM
To: Clay McDaniel (adpce.ad) <Clay.McDaniel@adeq.state.ar.us>
Cc: Jarrod Zweifel (adpce.ad) <Jarrod.Zweifel@adeq.state.ar.us>; Lisa Rotenberry <lisa.rotenberry@harborenv.com>; Leslie Davis <ldavis@harborenv.com>; Caleb Gourley <cgourley@harborenv.com>
Subject: NABORS Landfill Bi-weekly Site Inspection

Clay-

Attached is the bi-weekly inspection report for NABORS. We also collected the first half 2023 semi-annual leachate sample plus duplicate. We were unable to pull a sample from the tank battery due to low leachate levels, so a sample was collected from the VLCS-1 sump.

Regarding the leachate collection system, the system remains in very poor working order and repairs are needed for the landfill to be in compliance. Are you planning on authorizing AFT to repair before our contract runs out?

Thanks,

-Tom

Thomas A. Huetter, PG, RG, *Associate Director of Natural Resources*
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DATE: June 13, 2023

TO: Clay McDaniel, *Engineer, Division of Environmental Quality
Office of Land Resources, Assessment and Remediation, Technical Branch*

FROM: Thomas Huetter, *Harbor Senior Project Manager*

RE: Bi-weekly Site Inspection
NABORS Landfill
Mountain Home, AR
Harbor Project No: ADEQ-22340

Harbor visited the NABORS landfill in Mountain Home, Arkansas on June 12, 2023, to conduct the bi-weekly landfill inspection and collect the first half 2023 leachate sample. Findings and observations from the landfill inspection are summarized below:

- A trace amount of stormwater was observed in the tank battery secondary containment. As such, no stormwater was released. The level of leachate in the tanks remained at 33.1" (see photographs 1 and 2).
- VLCS-2 appeared to be functioning correctly but is heavily overgrown with vegetation (see photographs 3 and 4).
- VLCS-1 remains at capacity and continues to overflow (see photographs 5 and 6). A large area of wet soil caused by the overflow appears to be attracting deer as evidenced by an abundance of deer tracks.
- The panel display was off at LCS-1, LCS-2, LCS-5 and LCS-6. These points were not operational, although the green strobe came on at LCS-6 when placed in "hand" mode.
- LCS-3 appeared to be functioning in "hand" mode only.
- LCS-4, LCS-7, and LCS-8 had pump faults.
- LCS-9 display was working, but level was at 0.0" and not working in "hand" mode.
- Closure turf is damaged around the base of LCS-4 (see photograph 7) and remains torn on Area 1-2 above LCS-4. A whirligig vent has detached from the pipe above LCS-8 (see photographs 8 – 10).
- The leachate level in the leachate tanks was below the level needed for gravity discharge, so there was no way to collect a leachate sample. As such the leachate sample was collected from the VLCS-1 sump as this was the only accessible point. The leachate sample (plus duplicate sample) was preserved on ice and transported to Arkansas Analytical in Little Rock for analysis.

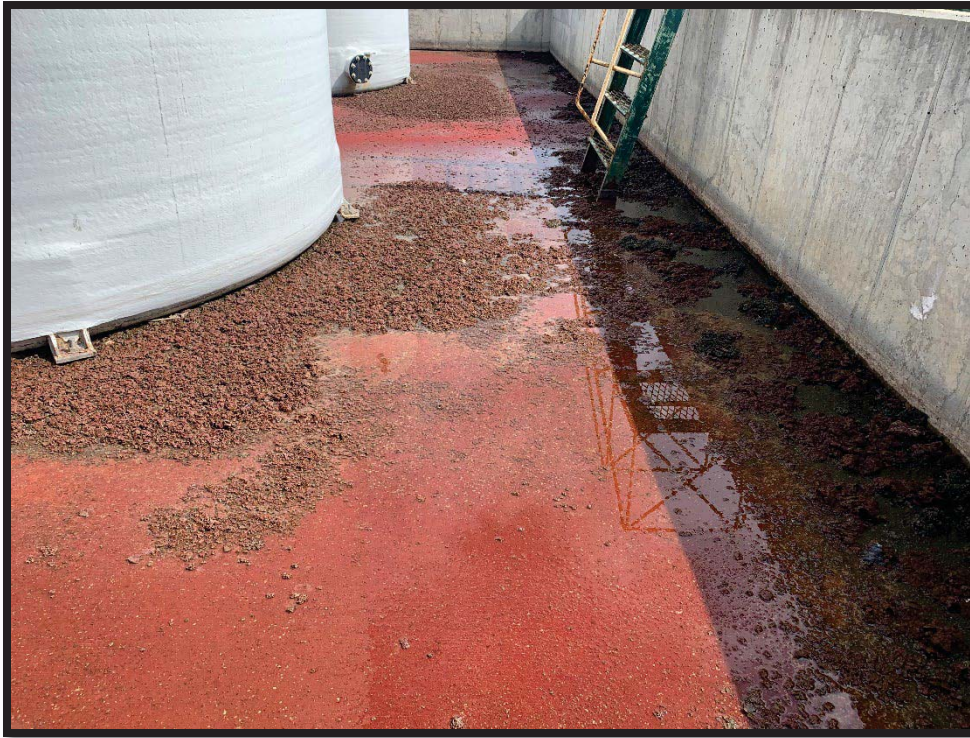
Photographs are included in Attachment A. Copies of the field notes and the leachate collection system status form are included in Attachment B.

Attachments:

Attachment A – Site Photographs

Attachment B – Leachate Collection System Status Form

Attachment A
Site Photographs



Photograph 1: View north of leachate tank secondary containment. Small pools of water visible from recent rain.



Photograph 2: View north of leachate tank secondary containment.



Photograph 3: View southwest of VLCS-2 sump overgrown with vegetation.



Photograph 4: View southwest of VLCS-2 control panel and overgrown vegetation.



Photograph 5: View of stressed vegetation from VLCS-1 overflow. Abundant deer tracks visible in mud.



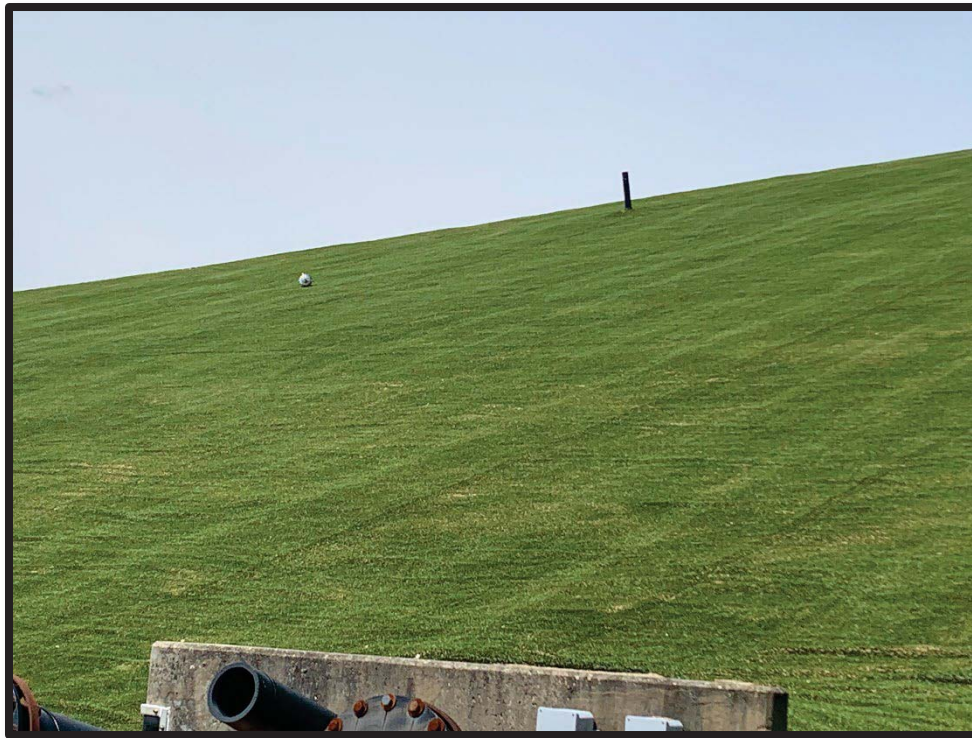
Photograph 6: View of overflow at VLCS-1.



Photograph 7: Closure turf damage at base of LCS-4.



Photograph 8: View southwest of LCS-8. Detached whirligig vent visible in distance.



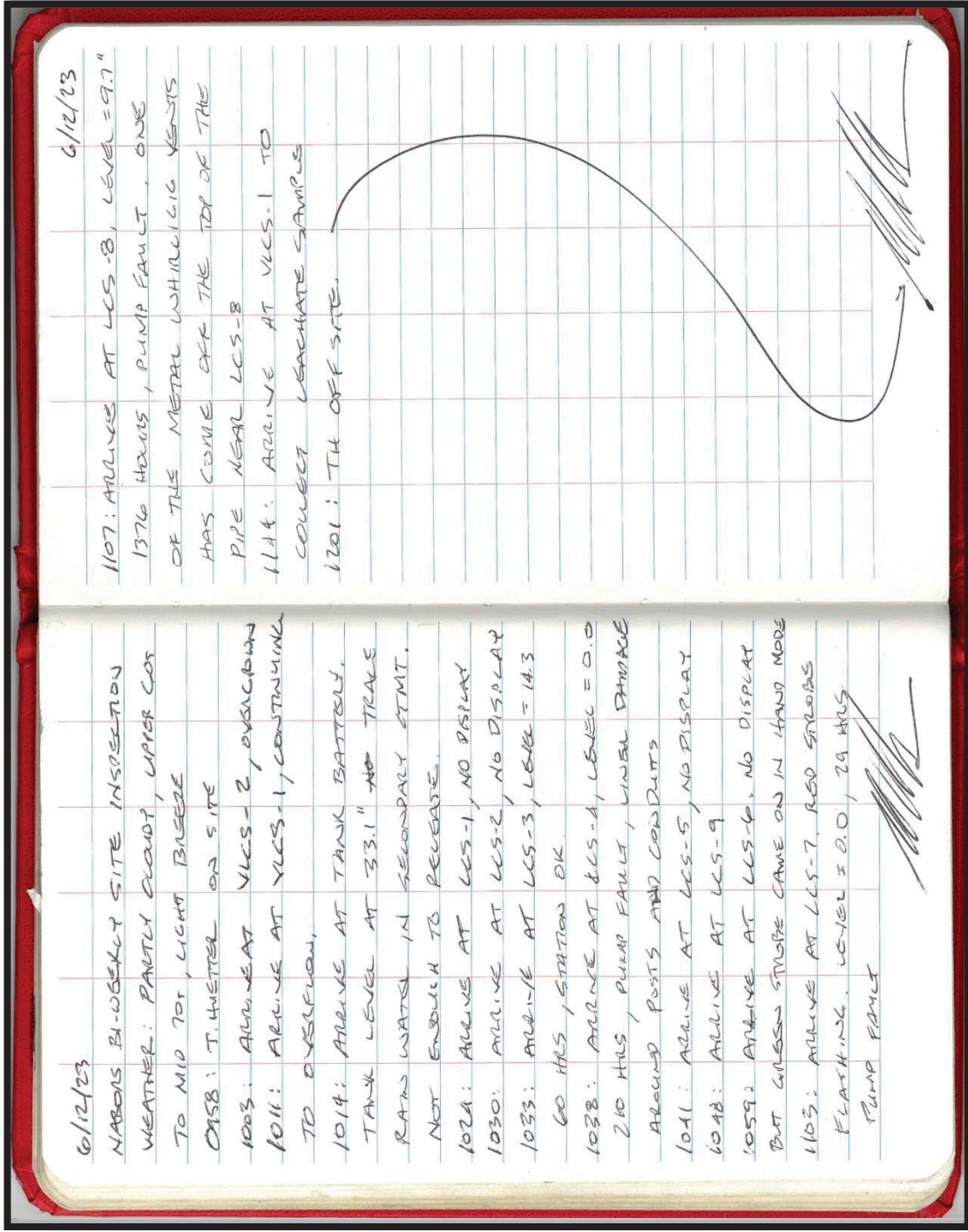
Photograph 9: Closer view of detached whirligig near LCS-8.



Photograph 10: Secondary view of detached whirligig.

Attachment B

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




Leachate Collection System Status

 Date: 6/12/23 Arrival Time: 0833 Location: NABORS Landfill Leachate Tank Battery Level (inches): 32.1

 Weather Conditions: PARTLY CLOUDY, WINDY, WINDSPEED 10-15 MPH, LIGHT 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: OVERFLOWING
VLCS-2	N/A	N/A	N/A	N/A	N	Y	Y	N/A	N/A	N/A	Sump status: 210'
LCS-1	N	N/A	N	N	N	N	N	N/A	N/A	N/A	NO DISPLAY
LCS-2	N	N/A	N	N	N	N	N	"	"	"	"
LCS-3	Y	14.3	Y	N	N	Y	Y	GOOD	60	OK	
LCS-4	AY	0.0	N	N	N	N	N	"	210	Y	PUMP FAULT
LCS-5	N	N/A	N	N	N	N	N	N/A	N/A	N/A	NO DISPLAY
LCS-6	N	N/A	Y	N	N	?	?	N/A	N/A	N/A	"
LCS-7	Y	0.0	N	N	Y	N	N	GOOD	29	Y	PUMP FAULT
LCS-8	Y	9.7	H	N	N	N	N	"	1376	Y	"
LCS-9	Y	0.0	N	N	N	N	?	GOOD	2191	OK	
General Comments: GREEN STRIPES ON WHEELS LCS-6 PLACED IN HAND MORE											