

Kacy Murillo (adpce.ad)

Subject: RE: NABORS Bi-weekly Site Inspection

From: Tom Huetter [<mailto:thuetter@harborenv.com>]
Sent: Monday, November 7, 2022 11:42 AM
To: Clay McDaniel (adpce.ad)
Cc: Lisa Rotenberry; Caleb Gourley
Subject: NABORS Bi-weekly Site Inspection

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Received

By Kacy Murillo at 9:48 am, Nov 9, 2022

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TO: CM>FILE <KM

Clay-

Attached is our bi-weekly inspection report for NABORS. AFT is scheduled to make the final repairs on 11/16 – 11/17/22. Let me know if you have any questions.

Thanks,

-Tom

Thomas A. Huetter, PG, RG, *Associate Director of Natural Resources*
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DATE: November 7, 2022

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

FROM: Thomas Huetter, PG, Senior Project Manager, Harbor

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

Harbor visited the NABORS landfill in Mountain Home, Arkansas on November 4, 2022, to conduct the bi-weekly landfill inspection. Findings and observations from the landfill inspection are summarized below:

- Minimal stormwater was observed in the tank containment, and as such no stormwater was released from the containment.
- The leachate tank level was at 31.0 inches indicating the system functionality has increased since partial repairs were made by AFT. Ten loads were hauled in October 2022 since repairs were made.
- The red strobe was not activated at VLCS-2, but the sump has exceeded its capacity. VLCS-1 appeared to be functioning correctly; however, vegetation is heavily overgrown at both locations (see photograph 1).
- LCS-1 displayed "FIRMWARE V4.6 AUTOTEST IN PROGRESS" and would not allow keypad navigation (see photograph 2). The green strobe came on when placed in "hand" mode, but it is undetermined whether this point is functioning correctly.
- LCS-2 is likely not functioning at all. The station displays no data, no strobes are activated, and the pump does not turn on.
- LCS-3 is functioning correctly in hand mode; however, leachate is dripping from the pipe to the sump when the pump is running. The flow of the leak has increased since previous inspections.
- LCS-4, LCS-5, LCS-6, LCS-7, and LCS-9 had pump fault alarms indicated on the keypad.
- LCS-8 had the amber strobe flashing and had a high-level alarm indicated. The leachate level did not drop when placed in hand mode.
- A piece of torn closure turf and a damaged vent pipe were observed near LCS-1 (see photographs 3 - 5). A turbine vent remains detached (see photograph 6) near LCS-6.

AFT has been contacted to schedule the remaining repairs. 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-2 at capacity.



Photograph 2: View of "autotest in progress" message on panel at LCS-1.



Photograph 3: View west of torn liner piece near LCS-1.



Photograph 4: View southwest of damaged vent pipe near LCS-1.



Photograph 5: View northeast of damaged vent pipe near LCS-1 (visible in distance).



Photograph 6: View of turbine vent near LCS-6 on east side of Area 1-3 cell.

Attachment B

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

11/4/22

NARROWS BI-WEEKLY SITE INSPECTION

WASAMS: CLEAN, 70S LIGHT BREEZE

1024: T. HUBBLE ON SITE

1027: ARRIVE AT VLCS-2, RED STROBE NOT ACTIVATED, PUMP FULL

1032: ARRIVE AT VLCS-1, RED STROBE NOT ACTIVATED. SUMP 2'S BELOW TOP

1039: ARRIVE AT TANK BATTERY LEVEL @ 31" 2-3" WATER IN CONTAINMENT

1044: ARRIVE AT LCS-1, FIRMWARE TEST IN PROGRESS, GREEN STROBE COMES ON IN HAND

1052: ARRIVE AT LCS-2, PANEL IN OFF POSITION, NO DISPLAY

1055: ARRIVE AT LCS-3, LEVEL AT 11.4" 60 HRS, STATION ON PIPE LEAKING WHEN TURNED ON

1059: ARRIVE AT LCS-4, LEVEL AT 21.3" 210 HRS, PUMP FAULT

1105: ARRIVE AT LCS-5, LEVEL @ 0.0" 838 HOURS, PUMP FAULT

11/4/22

1112: ARRIVE AT LCS-9, LEVEL AT 0.0" 2191 HOURS, PUMP FAULT

1117: ARRIVE AT LCS-8, 4 AMBER STROBE FLASHING, LEVEL @ 276"

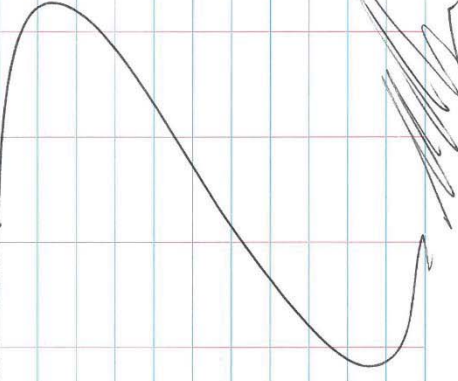
254 HOURS, HIGH ALARM LEVEL NOT DROPPING IN HAND, GREEN STROBE NOT COMING ON

1121: ARRIVE AT LCS-7, RED STROBE FLASHING, LEVEL @ 36.1", 8 HOURS PUMP FAULT

1121: ARRIVE AT LCS-6, RED STROBE FLASHING, LEVEL @ 0.0"

247 HRS., PUMP FAULT

1144: TA OFF SITE





Leachate Collection System Status

 Date: 11/4/22 Arrival Time: 1024 Location: NABORS Landfill Leachate Tank Battery Level (inches): 31.0

 Weather Conditions: CLEAR, 70S, 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 | NO | - | - | N/A | N/A | N/A | S BELOW TOP Sump status: S BELOW TOP |
| VLCS-2 | N/A | N/A | N/A | N/A | NO | - | - | N/A | N/A | N/A | Full Sump status: Full |
| LCS-1 | YES | N/A | YES | NO | NO | N/A | N/A | N/A | N/A | N/A | "FIRMWARE TEST" |
| LCS-2 | NO | N/A | NO | NO | NO | NO | NO | N/A | " | " | FANBL OFF |
| LCS-3 | YES | 11.4 | YES | NO | NO | YES | YES | GOOD | 60 | OK | PIPE LEAKING |
| LCS-4 | YES | 21.3 | NO | NO | NO | NO | ? | ? | 210 | - | PUMP FAULT |
| LCS-5 | YES | 0.0 | " | " | " | " | " | " | 838 | - | " " |
| LCS-6 | YES | 0.0 | " | " | YES | NO | " | " | 217 | - | " " |
| LCS-7 | YES | 36.1 | NO | NO | YES | NO | NO | ? | 0 | - | PUMP FAULT |
| LCS-8 | YES | 27.6 | NO | YES | NO | NO | ? | ? | 254 | YES | HIGH ALARM |
| LCS-9 | YES | 0.0 | NO | NO | NO | NO | NO | ? | 2191 | - | PUMP FAULT |
| General Comments: | | | | | | | | | | | |