

July 14, 2023

**Ms. Nicole Sanabria and Ms. Christina Hebert**

Geologist and Environmental Quality Analyst  
Materials Management Division  
Department of Environment, Great Lakes, and Energy  
PO Box 30241  
Lansing, MI 48909-7741

RE: *Quarterly Status Report – April 2023 – June 2023*  
*Coldwater Road Landfill*  
*1245 East Coldwater Road, Flint, MI*  
*MID 005 356 860*  
FILE: 1088190/1940103462/Docs

Dear **Ms. Sanabria and Ms. Hebert:**

In accordance with requirements of the approved Post-Closure Care Plan, we are providing you with this Quarterly Status Report for the second quarter 2023 for activities related to post-closure care for the landfill. The status of on-going Site characterization and interim measures related to PFAS are not included in this report.

In relation to Post-Closure Care requirements and in an effort to reduce the cost of post-closure care and extend RACER's limited funds, we hereby request to modify the frequency of the leak detection vault dewatering, site inspections, and quarterly status reporting. The changes would not diminish the ability to provide protection to human health and the environment and would still provide adequate monitoring of the integrity of the landfill while somewhat reducing routine post-closure care costs. Should the requested changes be accepted, the Post-Closure Care Plan will be updated to reflect the approved changes.

- » **Vault Dewatering:** Reduce the vault dewatering frequency to occur on a quarterly basis. The current vault dewatering occurs every other month if less than 150 gallons is removed from an individual vault. If more than 300 gallons are removed from a vault, then that vault is dewatered monthly until it meets the less than 150 gallons criteria. If three or more vaults have more than 300 gallons removed during a dewatering event, then the next monthly dewatering event includes all the vaults.

When the dewatering frequency was last reduced in August 2014 the volume of each vault was calculated to be approximately 197 gallons. It is expected that a change to quarterly vault dewatering will not cause a significant backup in the vaults or secondary leak detection system and will not cause undue hydraulic pressure on the secondary liner system or communication between vaults/cells. The volume removed from Vault B and Vault E will be monitored so that if excess water is observed in those vaults, the schedule to dewater those vaults will be adjusted if needed (possibly to every other month).

- » **Site Inspection:** Change the frequency of the site/landfill cap inspections from quarterly to occur on a semiannual basis, while continuing to submit an annual summary report. The site/landfill cap inspections would be conducted in April and October. Reducing cap inspection frequency is not expected to have any negative impacts as there has been little to no change in site conditions observed between quarters and would still provide adequate monitoring of the integrity of the landfill.

- » **Reporting:** Reduce the Quarterly Status Report frequency to semiannual reporting with a submittal schedule of April and October. In addition, an email correspondence can be provided between semi-annual reports to communicate any significant issues in a timely manner if they occur. Reducing the frequency of status reports will match the reporting of what is currently done for the groundwater and leak detection system monitoring (although not in the same months).

### **1. Work Completed This Reporting Period**

- » Dewatering of the leak detection vaults occurred on April 21, 2023 (Vault E), May 11, 2023, and June 28, 2023.
- » Mowed grass on landfill cap on May 11, 2023.
- » Performed re-development of monitoring wells (B-7, B-9, B-18A, B-19AR, B-21D, B-24R, B-27D, B-28, OBG MW-26, OBG MW-25R, and PZ-3R) during the weeks of May 15, 2023 and May 22, 2023.
- » The semi-annual Groundwater Monitoring, Sump, and Leak Detection System (LDS) sampling was conducted the week of June 5, 2023.
- » Sampling of accumulated liquids was conducted on May 17, 2023. The results will be presented in the second quarter 2023 Periodic Report on Continued Compliance (PRCC) due to the City of Flint on or before July 28, 2023 and will be provided to you via email.
- » Discharge of liquids from the accumulation tank occurred on June 6, 2023. A total of 5,808 gallons were discharge during this quarter. Breakthrough and compliance samples were collected from GAC vessels, and the analytical results will be presented in the second quarter 2023 PRCC.
- » The second quarter 2023 site inspection occurred on June 26, 2023 and June 28, 2023.

### **2. Summaries of Findings**

- » None.

### **3. Summaries of Changes**

- » None.

### **4. Summaries of all Contact with Local Community**

- » None.

### **5. Summaries of all Problems**

- » None.

### **6. Actions Being Taken to Rectify Problems**

- » None.

### **7. Changes in Personnel**

- » None.

### **8. Projected Work**

- » Dewatering of the leak detection vaults is scheduled for July 12, 2023, August 16, 2023, and September 13, 2023.
- » Sampling and discharge of accumulated liquids will be conducted as needed.
- » The second quarter 2023 site inspection will be conducted in September 2023.

### 9. Reports/Data

» The following table presents the vault dewatering and monthly leachate sump data for the second quarter:

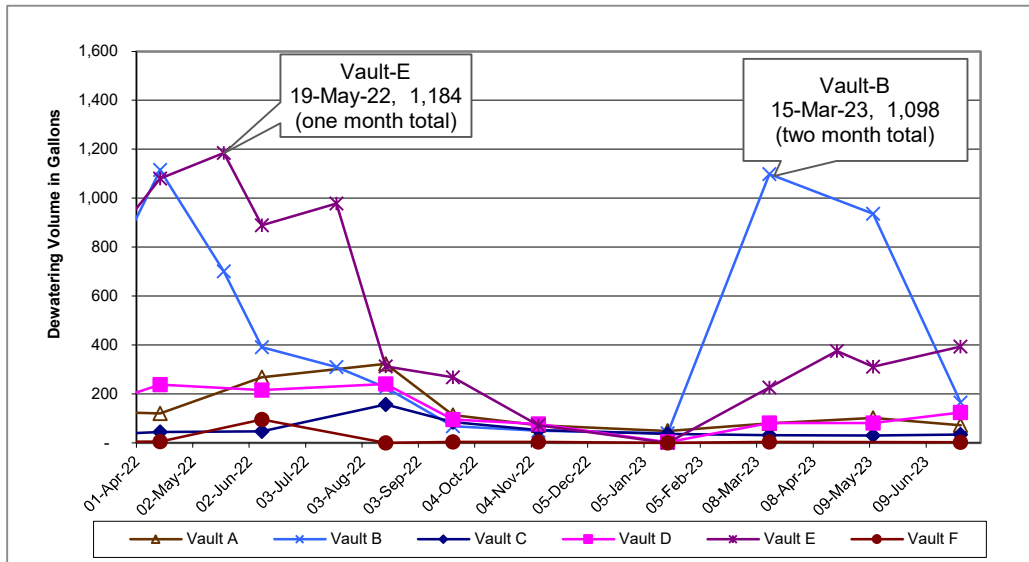
DATE	GALLONS LEAK DET	GALLONS LEAK DET	GALLONS LEAK DET	GALLONS LEAK DET	GALLONS LEAK DET	GALLONS LEAK DET	TOTAL LEAK GALLONS	MONTHLY SUMP VOLUMES GALLONS
2023	A	B	C	D	E	F		
21-Apr-23	--	--	--	--	375	--	375	102
11-May-23	102	936	29	80	311	0	1,458	0
28-Jun-23	71	164	34	124	393	2	788	1,701
<b>TOTAL</b>	<b>173</b>	<b>1,100</b>	<b>63</b>	<b>204</b>	<b>1,079</b>	<b>2</b>	<b>2,621</b>	<b>1,803</b>

\* Indicates 2-month totals.

Note:

Total volume of water removed from the vaults during the second quarter was 2,621 gallons. According to the master flow meter and discharge records, a total of 1,803 gallons were pumped from the leachate collection sumps during the second quarter.

The following graph presents the vault dewatering data in graphical format for the past 15 months:



#### 10. Active Post-Closure Care Task 2023 Budget Status

- » Task 1 – Continue Ongoing OMM: 50% complete, 66% of 2023 budget.
- » Task 6 – Agency Coord./Negotiation & Reporting: 50% complete, 6% of 2023 budget.
- » Task 7 – Project Management & Coordination: 50% complete, 42% of 2023 budget.

Please call me at 313-333-0211 if you have any questions.

Very truly yours,

**Ramboll Americas Engineering Solutions, Inc.**



**Clifford S. Yantz**

Project Manager

1943864 - MIDWEST EAST Resources 056

M 313.333.0211

[Clifford.yantz@ramboll.com](mailto:Clifford.yantz@ramboll.com)

cc: David Favero – RACER Trust  
Kevin Schneider – Ramboll

**Certification**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

On Behalf of RACER Trust

A handwritten signature in blue ink that reads "Clifford Scott Yantz". The signature is written over a horizontal line.

Clifford S. Yantz  
Project Manager – Ramboll Americas Engineering Solutions, Inc.  
As agent for RACER Trust

Date: July 14, 2023

cc: file