

OBG | There's a way

July 20, 2018

**Mr. Richard Conforti**  
Environmental Engineer  
Office of Waste Management and Radiological Protection  
Department of Environmental Quality  
PO Box 30241  
Lansing, MI 48909-7741

RE: *Quarterly Status Report –April 2018 – June 2018*  
*Coldwater Road Landfill*  
*1245 East Coldwater Road, Flint, MI*  
*MID 005 356 860*

FILE: 15388/68545/Docs

Dear **Mr. Conforti**:

In accordance with requirements of the approved Post-Closure Care Plan, we are providing you with this Quarterly Status Report for the second quarter 2018.

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

- » Dewatering of the leak detection vaults occurred on April 19, 2018, May 23, 2018, June 19, 2018.
- » Sampling of accumulated liquids was conducted on May 24, 2018.
- » Semiannual groundwater monitoring well and leak detection vault sampling occurred the week of June 11, 2018. Collected per- and polyfluoroalkyl substances (PFAS) samples from the following: Vaults: Vault A, Vault C, and Vault E. Perched Aquifer monitoring wells: B-7, B-9, B-18A, B-19Ar, B-24r, B-28, and MW-19-13 (Peregrine Site well). Drift Aquifer monitoring wells: B-2D, B-22D, B-27D, and MW-16-10 (Peregrine Site well).
- » Discharge of liquids from the accumulation tank occurred on June 18, 2018 and June 19, 2018.
- » Completed additional PFAS and vapor pathway investigation along western perimeter the week of June 25, 2018.
- » The second quarter 2018 site inspection occurred on June 18, 2018 and June 19, 2018.
- » A Discharge Permit Modification and (Certified) Pretreatment Plan letter was submitted to the City of Flint on June 27, 2018, which provided a pretreatment system design package for the removal of PFAS from the discharge from the landfill.

### **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 17, 2018, August 15, 2018, and September 17, 2018.
- » Sampling and discharge of accumulated liquids will be conducted as needed.
- » The third quarter 2018 site inspection will be conducted in September 2018.

**9. Reports/Data**

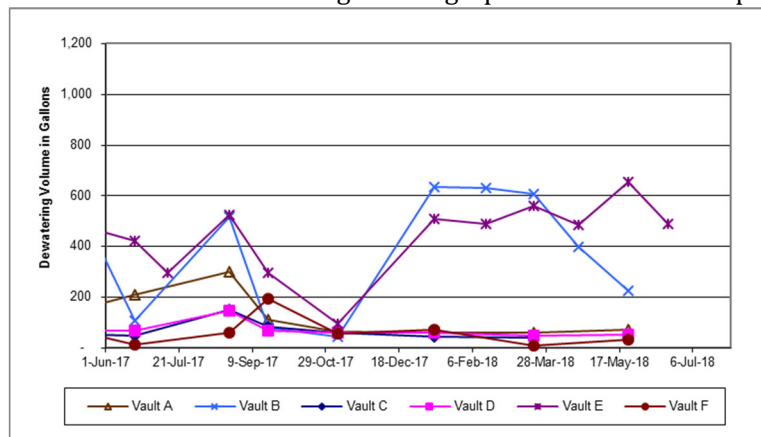
» The following table presents the vault dewatering and monthly leachate sump data for the second quarter:

DATE 2018	GALLONS LEAK DET A	GALLONS LEAK DET B	GALLONS LEAK DET C	GALLONS LEAK DET D	GALLONS LEAK DET E	GALLONS LEAK DET F	TOTAL LEAK GALLONS	MONTHLY SUMP VOLUMES GALLONS
19-Apr-18	--	398	--	--	484	--	882	819
23-May-18	73	225	54	54	656	32	1,094	1,140
19-Jun-18	--	--	--	--	489	--	489	640
<b>TOTAL</b>	<b>73</b>	<b>623</b>	<b>54</b>	<b>54</b>	<b>1,629</b>	<b>32</b>	<b>2,465</b>	<b>2,599</b>

\* Indicates 2 month totals

Total volume of water removed from the vaults during the second quarter was 2,465 gallons. According to the master flow meter and discharge records, a total of 2,599 gallons were pumped from the sumps during the second quarter.

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



## 10. Active Task 2018 Budget Status

- » Task 1 – Continue Ongoing OMM: 50% complete, 44% of 2018 budget.
- » Task 4 – Fe & Mn Delineation: 0% complete, 0% of 2018 budget.
- » Task 6 – Agency Coord./Negotiation & Reporting: 50% complete, 40% of 2018 budget.
- » Task 7 – Project Management & Coordination: 50% complete, 32% of 2018 budget.
- » Task 9 – PFAS Investigation: 96% complete, 96% of 2018 budget.
- » Task 10 – Vapor Intrusion: 97% complete, 97% of 2018 budget.

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

Very truly yours,

**O'BRIEN & GERE ENGINEERS, INC.**



Clifford Yantz  
Scientist-3

cc: Mr. Grant Trigger – RACER Trust  
Mr. David Favero – RACER Trust  
Mr. Kevin Schneider – O'Brien & Gere