

OBG | There's a way

October 13, 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 –July 2018 – September 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 third quarter 2018 for landfill O&M activities. Note that the on-going site characterization activity related to per- and polyfluoroalkyl substances (PFAS) will be reported separately.

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

- » Dewatering of the leak detection vaults occurred on July 30, 2018, August 21, 2018, and September 18, 2018.
- » Collected PFAS samples from OBG MW-11 and B-2D on July 19, 2018.
- » The annual Groundwater Monitoring and Leak Detection System (LDS) were submitted on August 30, 2018.
- » Installed PFAS treatment system on August 21, 2018, August 22, 2018, and August 27, 2018.
- » Sampling of accumulated liquids was conducted on August 29, 2018.
- » Annual inspection with the City of Flint, Department of Public Works and Utilities Water Pollution Control occurred on August 29, 2018, including inspecting the newly installed PFAS pretreatment system.
- » Discharge of liquids from the accumulation tank occurred on September 13, 2018 and September 14, 2018.
- » The third quarter 2018 site inspection occurred on September 26, 2018.

### **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 October 17, 2018, November 15, 2018, and December 17, 2018.
- » The annual leak detection and groundwater monitoring will be conducted in November 2018.
- » Sampling and discharge of accumulated liquids will be conducted as needed.
- » The fourth quarter 2018 site inspection will be conducted in December 2018.

#### 9. Reports/Data

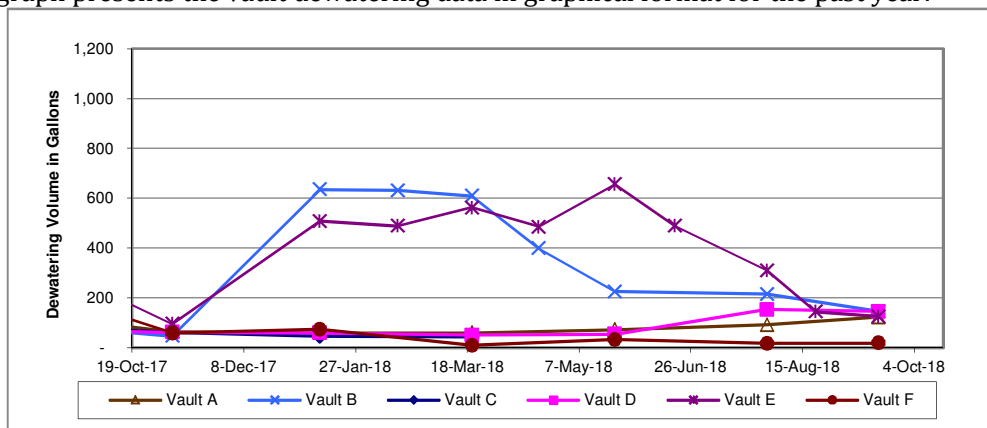
» The following table presents the vault dewatering and monthly leachate sump data for the third quarter:

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
30-Jul-18	92*	215*	117*	153*	310*	17*	904	667
21-Aug-18	--	--	--	--	144	--	144	304
18-Sep-18	123*	145*	154*	145*	125*	19*	711	325
<b>TOTAL</b>	<b>215</b>	<b>360</b>	<b>271</b>	<b>298</b>	<b>579</b>	<b>36</b>	<b>1,759</b>	<b>1,296</b>

\* Indicates 2 month totals

Total volume of water removed from the vaults during the third quarter was 1,759 gallons. According to the master flow meter and discharge records, a total of 1,296 gallons were pumped from the sumps during the third 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: 75% complete, 75% of 2018 budget.
- » Task 4 – Fe & Mn Delineation: 0% complete, 0% of 2018 budget.
- » Task 6 – Agency Coord./Negotiation & Reporting: 75% complete, 62% of 2018 budget.
- » Task 7 – Project Management & Coordination: 75% complete, 65% of 2018 budget.
- » Task 9 – PFAS Investigation: 100% complete, 100% of 2018 budget.
- » Task 10 – Vapor Intrusion: 75% complete, 71% of 2018 budget.
- » Task 31 – PFAS Site Characterization: 90% complete, 90% of 2018 budget.
- » Task 36 – PFAS - Remedy/Interim Measure Implementation: 100% complete, 100% of 2018 budget.
- » Task 37 – PFAS - Operation, Maintenance & Monitoring (OMM): 50% complete, 50% 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  
Senior Hydrogeologist

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