

April 8, 2020

**Mr. Jacob Runge**

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

RE: *Quarterly Status Report – January 2020 – March 2020*  
*Coldwater Road Landfill*  
*1245 East Coldwater Road, Flint, MI*  
*MID 005 356 860*  
FILE: 15388/75178/Docs

Dear **Mr. Runge**:

In accordance with requirements of the approved Post-Closure Care Plan, we are providing you with this Quarterly Status Report for the first quarter 2020 for activities related to post-closure care for the landfill. The status of on-going Site characterization and interim measures are not included in this report.

**1. Work Completed This Reporting Period**

- » Dewatering of the leak detection vaults occurred on January 15, 2020, February 18, 2020 and March 27, 2020.
- » The annual Groundwater Monitoring, Leak Detection System (LDS), and Landfill Inspection reports were prepared and submitted to EGLE on February 25, 2020.
- » Sampling of accumulated liquids was conducted on March 11, 2020, and the results will be presented in the first quarter 2020 Periodic Report on Continued Compliance due to the City of Flint on or before April 28, 2020 and will be provided to you via email.
- » The first quarter 2020 site inspection occurred on March 11, 2020.
- » An inspection of the landfill cap was conducted with EGLE representatives on March 16, 2020.
- » Discharge of liquids from the accumulation tank occurred on March 25, 2020 through March 27, 2020. Breakthrough samples were collected from GAC vessels.
- » Breakthrough samples were collected from GAC vessels during the accumulation tank discharge. The influent sample collected on March 25, 2020 had a detection of 10,000 ng/L for PFOS. The highest detection from the primary GAC drum sample collected on March 25, 2020 had a detection of 13 ng/L for PFOS. PFOS was not detected in the samples collected from the secondary, tertiary, and effluent GAC drums on March 27, 2020.

**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 April 17, 2020, May 13, 2020, and June 17, 2020.
- » The semiannual leak detection and groundwater monitoring will be conducted in June 2020.
- » Sampling and discharge of accumulated liquids will be conducted as needed.
- » The second quarter 2020 site inspection will be conducted in June 2020.

**9. Reports/Data**

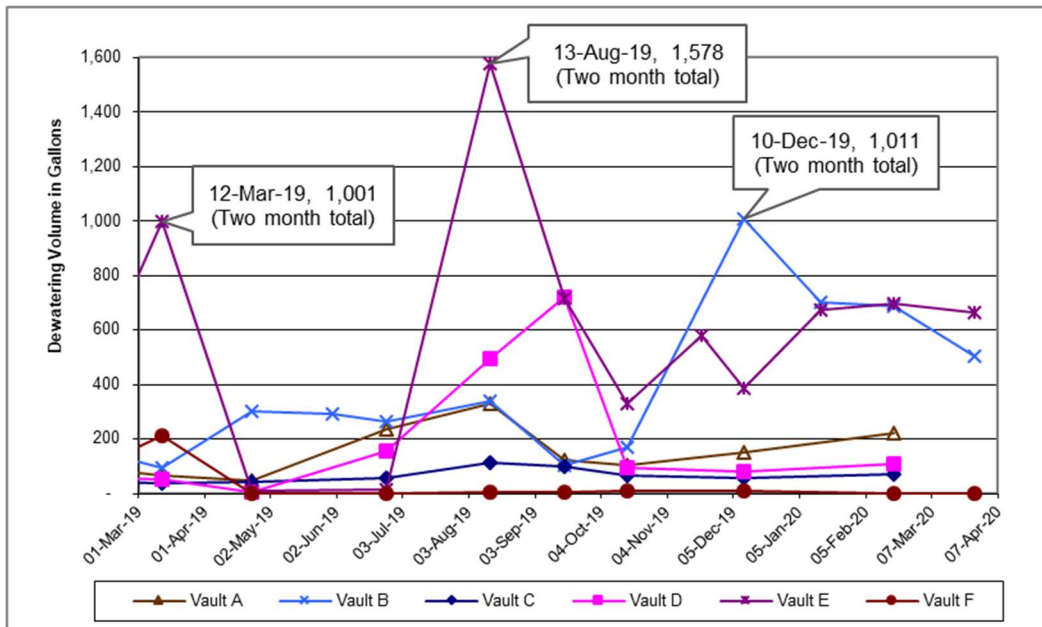
» The following table presents the vault dewatering and monthly leachate sump data for the first quarter:

DATE 2020	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
16-Jan-20	--	704	--	--	673	--	1,377	2,327
18-Feb-20	224*	690	72*	109*	699	0*	1,794	1,674
27-Mar-20	--	507	--	--	664	--	1,171	1,632
<b>TOTAL</b>	<b>224</b>	<b>1,901</b>	<b>72</b>	<b>109</b>	<b>2,036</b>	<b>0</b>	<b>4,342</b>	<b>5,633</b>

\* Indicates 2 month totals.

Total volume of water removed from the vaults during the first quarter was 4,342 gallons. According to the master flow meter and discharge records, a total of 5,633 gallons were pumped from the sumps during the first 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: 25% complete, 13% of 2020.
- » Task 4 – Fe & Mn Delineation: 0% complete, 0% of 2020 budget.
- » Task 6 – Agency Coord./Negotiation & Reporting: 14% complete, 14% of 2020 budget.
- » Task 7 – Project Management & Coordination: 25% complete, 30% of 2020 budget. We are a little over budget due to end of year invoicing.
- » Task 10 – Vapor Intrusion: <1% complete, <1% of 2020 budget.
- » Task 31 – PFAS Site Characterization: 34% complete, 34% of 2020 budget.
- » Task 32 – PFAS - Risk/Exposure Pathway Analysis: 0% complete, 0% of 2020 budget.
- » Task 33 – PFAS - Remedy/Interim Measure Evaluation: 0% complete, 0% of 2020 budget.
- » Task 35 – PFAS - Remedy/Interim Measure Design: 2% complete, 2% of 2020 budget.
- » Task 36 – PFAS - Remedy/Interim Measure Implementation: 1% complete, 1% of 2020 budget.
- » Task 37 – PFAS - Operation, Maintenance & Monitoring (OMM): 20% complete, 1% of 2020 budget.

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

Very truly yours,

**O'BRIEN & GERE ENGINEERS, INC., Part of Ramboll**



Clifford Yantz  
Senior Hydrogeologist

cc: Mr. Richard Conforti – EGLE  
Mr. David Favero – RACER Trust  
Mr. Kevin Schneider – O'Brien & Gere