

July 12, 2019

Mr. Richard Conforti

Environmental Engineer
Office of Waste Management and Radiological Protection
Department of Environment, Great Lakes, and Energy
PO Box 30241
Lansing, MI 48909-7741

RE: *Quarterly Status Report –April 2019 – June 2019*
Coldwater Road Landfill
1245 East Coldwater Road, Flint, MI
MID 005 356 860
FILE: 15388/72202/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 2019 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 April 23, 2019, May 31, 2019 and June 25, 2019.
- » The annual Groundwater Monitoring, Sump, and Leak Detection System (LDS) monitoring sampling was conducted the weeks of May 27, 2019 and June 3, 2019.
- » Sampling of accumulated liquids was conducted on April 1, 2019, and the results will be presented in the second quarter 2019 Periodic Report on Continued Compliance due to the City of Flint on or before July 28, 2019 and will be provided to you via email.
- » Discharge of liquids from the accumulation tank occurred between April 23, 2019 and May 22, 2019. A total of 138,477 gallons were discharge during this quarter of which approximately 133,031 gallons were development water from the replacement well installed at 1278 E. Stanley Road.
- » Breakthrough samples were collected from GAC vessels during the accumulation tank discharge. The influent sample collected on April 23, 2019 had a detection of 1,300 ng/L for PFOS. The highest detection from the primary GAC drum sample collected on April 25, 2019 had a detection of 130 ng/L for PFOS. The secondary GAC drum sample collected on April 24, 2019 had a detection of 20 ng/L for PFOS. The tertiary and effluent GAC drum samples were non-detect for PFOS. The primary and secondary GAC drums have been disposed of and replaced.
- » The second quarter 2019 site inspection was completed on June 28, 2019.

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, 2019, August 14, 2019, and September 18, 2019.
- » Sampling and discharge of accumulated liquids will be conducted as needed.
- » The third quarter 2019 site inspection will be conducted in September 2019.

9. Reports/Data

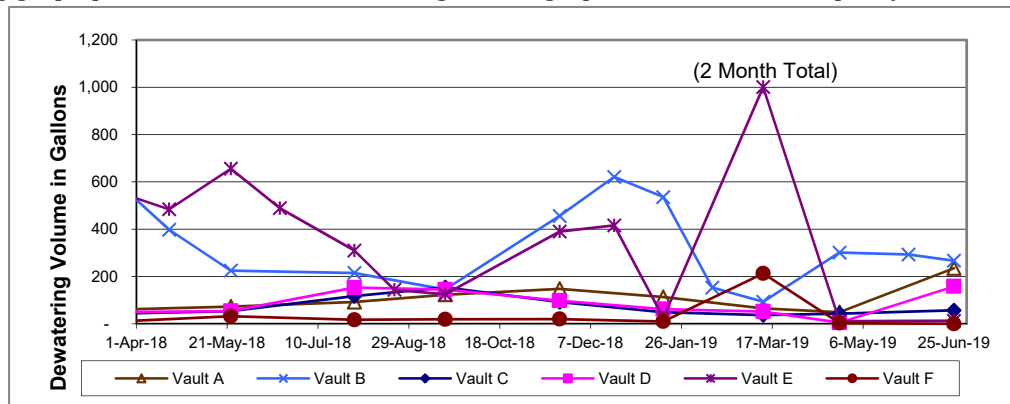
» The following table presents the vault dewatering and monthly leachate sump data for the second quarter:

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
23-Apr-19	49	301	43	5	11	3	412	1,312
31-May-19		293					293	1,386
25-Jun-19	235*	267	57*	158*	13*	0*	1,461	1,313
TOTAL	284	861	100	164	24	3	1,435	4,011

* Indicates 2 month totals.

Total volume of water removed from the vaults during the second quarter was 1,435 gallons. According to the master flow meter and discharge records, a total of 4,011 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, 47% of 2019 budget.
- » Task 4 – Fe & Mn Delineation: 0% complete, 0% of 2019 budget.
- » Task 6 – Agency Coord./Negotiation & Reporting: 50% complete, 42% of 2019 budget.
- » Task 7 – Project Management & Coordination: 50% complete, 53% of 2019 budget.
- » Task 10 – Vapor Intrusion: 20% complete, 12% of 2019 budget.
- » Task 31 – PFAS Site Characterization: 53% complete, 53% of 2019 budget.
- » Task 32 – PFAS - Risk/Exposure Pathway Analysis: 0% complete, 0% of 2019 budget.
- » Task 33 – PFAS - Remedy/Interim Measure Evaluation: 99% complete, 99% of 2019 budget.
- » Task 35 – PFAS - Remedy/Interim Measure Design: 40% complete, 40% of 2019 budget.
- » Task 36 – PFAS - Remedy/Interim Measure Implementation: 83% complete, 83% of 2019 budget (additional budget may be required to complete measures not anticipated in the approved 2019 budget request).
- » Task 37 – PFAS - Operation, Maintenance & Monitoring (OMM): 55% complete, 55% of 2019 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