

January 14, 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 –October 2019 – December 2019*
Coldwater Road Landfill
1245 East Coldwater Road, Flint, MI
MID 005 356 860

FILE: 15388/72202/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 fourth 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 October 16, 2019, November 20, 2019, and December 10, 2019.
- » The semiannual Groundwater Monitoring and Leak Detection System (LDS) was conducted the week of November 18, 2019.
- » Collected soil vapor samples from soil vapor probes on November 18, 2019 and November 19, 2019. Groundwater samples were collected from vapor probes for VOCs when encountered.
- » Sampling of accumulated liquids was conducted on December 10, 2019.
- » Discharge of liquids from the accumulation tank occurred on October 16, 2019 utilizing the results of the sampling conducted on September 18, 2019 to reset the 90-day RCRA clock to the calendar quarters. Discharge of liquids also occurred on December 30, 2019 and December 31, 2019. A total of 8,846 gallons were discharge during this quarter.
- » Breakthrough samples were collected from GAC vessels during the October 16, 2019 accumulation tank discharge. The influent sample collected on October 16, 2019 had a detection of 4,100 ng/L for PFOS. PFOS was not detected in the sample collected from the primary GAC drum on October 17, 2019. PFOS was also not detected in the samples collected from the secondary, tertiary, and effluent GAC drum on October 17, 2019.
- » Breakthrough samples were collected from GAC vessels during the December 30, 2019 accumulation tank discharge. Results will be shared once they are received.
- » The fourth quarter 2019 site inspection was completed on December 30, 2019 and December 31, 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

» Upon arrival on November 18, 2019, it was discovered that the control building had been broken into. The door knob and secondary clasp lock had been removed from the door. It appeared nothing was missing from the building.

6. Actions Being Taken to Rectify Problems

» The Genesee Township Police came to the Site and a report of the incident was made. A new door knob and clasp were installed on the building door.

7. Changes in Personnel

» None.

8. Projected Work

- » Dewatering of the leak detection vaults is scheduled for January 15, 2020, February 12, 2020, and March 18, 2020.
- » Sampling and discharge of accumulated liquids will be conducted as needed.
- » The first quarter 2020 site inspection will be conducted in March 2020.

9. Reports/Data

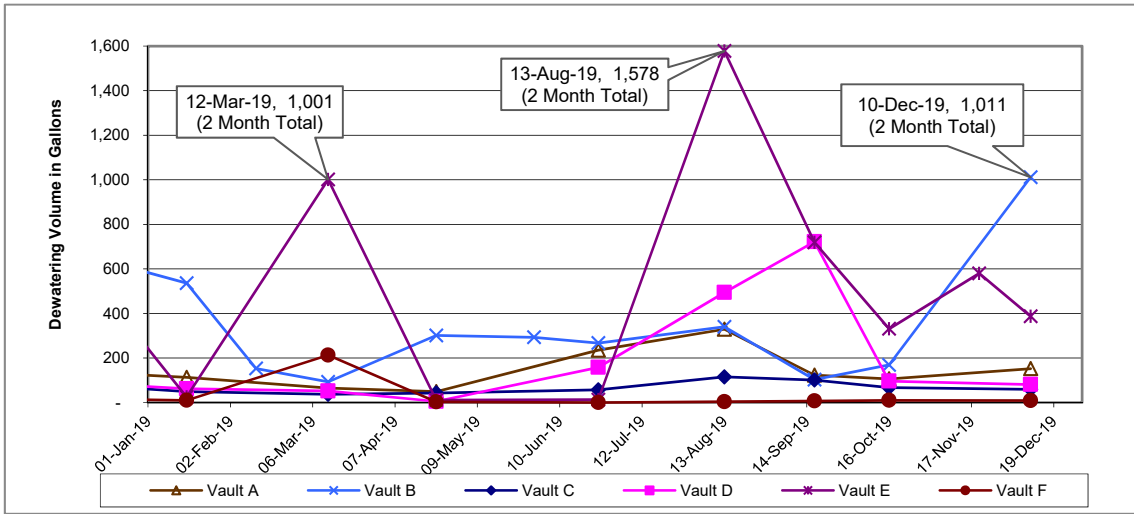
» The following table presents the vault dewatering and monthly leachate sump data for the fourth quarter:

DATE 2019	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-Oct-19	106	169	67	96	331	10	779	734
20-Nov-19	--	--	--	--	580	--	580	1,541
10-Dec-19	152*	1,011*	59*	81*	387	9*	1,699*	620
TOTAL	258	1,180	126	177	1,298	19	3,058	2,895

* Indicates 2 month totals.

Total volume of water removed from the vaults during the fourth quarter was 3,058 gallons. According to the master flow meter and discharge records, a total of 2,895 gallons were pumped from the sumps during the fourth quarter.

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



10. Active Task 2019 Budget Status

- » Task 1 – Continue Ongoing OMM: 100% complete, 96% of 2019 budget.
- » Task 4 – Fe & Mn Delineation: 0% complete, 0% of 2019 budget.
- » Task 6 – Agency Coord./Negotiation & Reporting: 100% complete, 94% of 2019 budget.
- » Task 7 – Project Management & Coordination: 100% complete, 96% of 2019 budget.
- » Task 10 – Vapor Intrusion: 100% complete, 82% of 2019 budget.
- » Task 31 – PFAS Site Characterization: 100% complete, 92% of 2019 budget.
- » Task 32 – PFAS - Risk/Exposure Pathway Analysis: 100% complete, 40% of 2019 budget.
- » Task 33 – PFAS - Remedy/Interim Measure Evaluation: 100% complete, 81% of 2019 budget.
- » Task 35 – PFAS - Remedy/Interim Measure Design: 100% complete, 100% of 2019 budget.
- » Task 36 – PFAS - Remedy/Interim Measure Implementation: 100% complete, 92% of 2019 budget.
- » Task 37 – PFAS - Operation, Maintenance & Monitoring (OMM): 100% complete, 95% 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. David Favero – RACER Trust
Mr. Kevin Schneider – O'Brien & Gere