

October 14, 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 –July 2019 – September 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 third 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 August 13, 2019 and September 17, 2019. No dewatering was conducted during July 2019.
- » The annual Groundwater Monitoring, Sump, and Leak Detection System (LDS) monitoring reports were submitted to EGLE on August 29, 2019.
- » Sampling of accumulated liquids was conducted on August 6, 2019 and September 18, 2019, and the results will be presented in the third quarter 2019 Periodic Report on Continued Compliance due to the City of Flint on or before October 28, 2019 and will be provided to you via email.
- » Discharge of liquids from the accumulation tank occurred on August 19, 2019 and August 20, 2019. A total of 7,400 gallons were discharge during this quarter. Another discharge will occur in mid-October utilizing the results of the sampling conducted on September 18, 2019 to reset the 90-day RCRA clock to the calendar quarters.
- » Breakthrough samples were collected from GAC vessels during the accumulation tank discharge. The influent sample collected on August 19, 2019 had a detection of 84 ng/L for PFOS. The highest detection from the primary GAC drum sample collected on August 20, 2019 had a detection of 360 ng/L for PFOS. The secondary GAC drum sample collected on August 20, 2019 had a detection of 9.9 ng/L for PFOS. The tertiary GAC drum sample was non-detect and effluent GAC drum sample had a detection of 12 ng/L for PFOS. The primary and secondary GAC drums will be replaced prior to the next discharge and will be disposed.
- » Annual inspection and split sampling with the City of Flint, Department of Public Works and Utilities Water Pollution Control occurred on September 18, 2019.
- » The third quarter 2019 site inspection was completed on September 11, 2019, September 17, 2019, and September 24, 2019.

## 2. Summaries of Findings

- » Observed one potentially active animal burrows on August 19, 2019 and set trap. The animal burrow found to not be active and was closed out on August 21, 2019. See attached photo log and figure for further details.

## 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 16, 2019, November 13, 2019, and December 18, 2019.
- » Sampling and discharge of accumulated liquids will be conducted as needed.
- » The fourth quarter 2019 site inspection will be conducted in December 2019.

## 9. Reports/Data

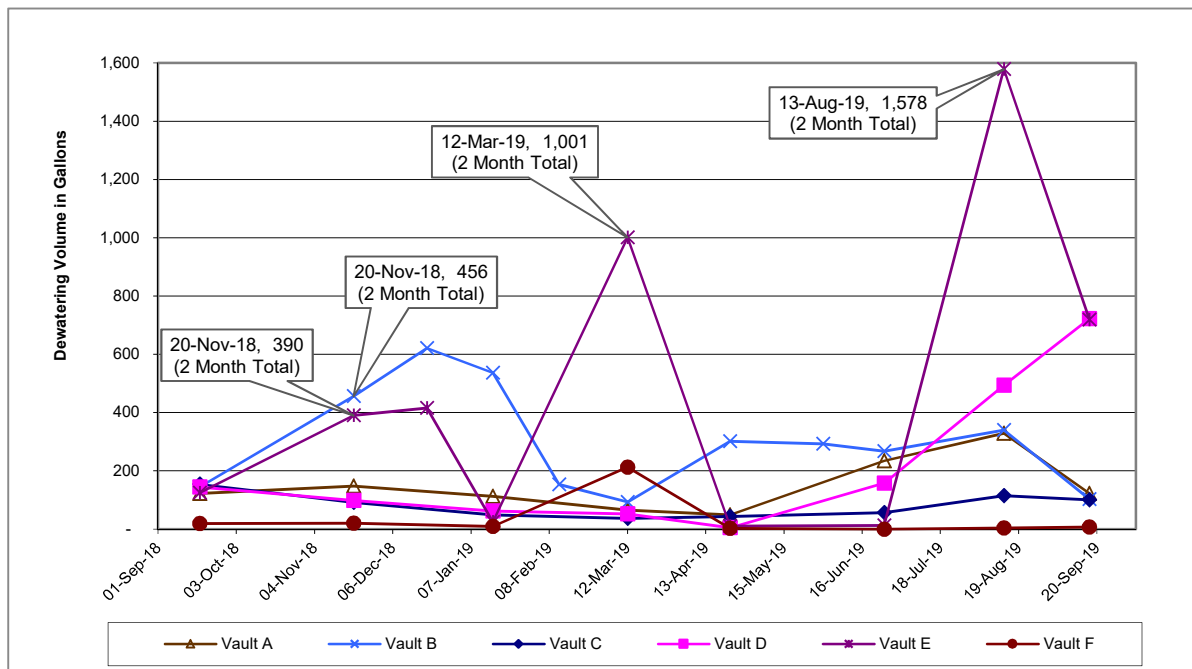
- » The following table presents the vault dewatering and monthly leachate sump data for the third quarter:

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
July-19	--	--	--	--	--	--	--	Not Calculated
13-Aug-19	329*	340*	115*	494*	1,578*	4*	2,860*	1,811*
17-Sep-19	123	103	101	722	719	7	1,775	653
TOTAL	452	443	216	1,216	2,297	11	4,635	2,464

\* Indicates 2 month totals.

Total volume of water removed from the vaults during the third quarter was 4,635 gallons. According to the master flow meter and discharge records, a total of 2,464 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 2019 Budget Status

- » Task 1 – Continue Ongoing OMM: 75% complete, 71% of 2019 budget.
- » Task 4 – Fe & Mn Delineation: 0% complete, 0% of 2019 budget.
- » Task 6 – Agency Coord./Negotiation & Reporting: 75% complete, 91% of 2019 budget.
- » Task 7 – Project Management & Coordination: 75% complete, 78% of 2019 budget.
- » Task 10 – Vapor Intrusion: 33% complete, 33% of 2019 budget.
- » Task 31 – PFAS Site Characterization: 62% complete, 62% of 2019 budget.
- » Task 32 – PFAS - Risk/Exposure Pathway Analysis: 20% complete, 20% of 2019 budget.
- » Task 33 – PFAS - Remedy/Interim Measure Evaluation: 65% complete, 63% of 2019 budget.
- » Task 35 – PFAS - Remedy/Interim Measure Design: 99% complete, 98% of 2019 budget.
- » Task 36 – PFAS - Remedy/Interim Measure Implementation: 35% complete, 36% of 2019 budget.
- » Task 37 – PFAS - Operation, Maintenance & Monitoring (OMM): 75% complete, 79% 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

I:\Racer-Trust\15388\72202\_Coldwater-2019\Docs\Reports\Quarterly Progress Report\3rd - September\001 - Animal Burrow Location Map 3rd Qtr-2019.mxd PLOTDATE: 09/18/13 10:58:32 AM SCHNEIKB



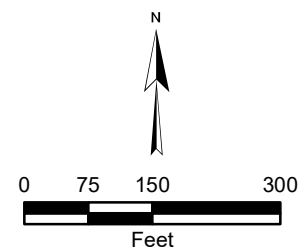
**LEGEND**

-  LEACHATE COLLECTION SUMP
-  ACCESS PORT FOR LEAK DETECTION VAULT
-  ANIMAL BURROW LOCATION

15388/72202  
AUGUST 2019



RACER TRUST  
COLDWATER ROAD  
LANDFILL FACILITY  
FLINT, MICHIGAN

**3RD QUARTER 2019  
BURROW LOCATION  
MAP**





# COLDWATER RD LANDFILL | ANIMAL BURROW PHOTO LOG

LOCATION:		APPROX. LENGTH:	APPROX. DEPTH:	APPROX. DIAMETER:
Cell A1 – Top of slope		1.5 feet	3 inches	4 inches
DATE FOUND:	DATE CLOSED:			
8/19/19	8/21/19			
NOTES:				
ID: 2019-08-21-060				
PRE repair photo.				
Trap set for two days.				
No activity.				
No signs of liner damage.				
LOCATION:		APPROX. LENGTH:	APPROX. DEPTH:	APPROX. DIAMETER:
Cell A1 – Top of slope		1.5 feet	3 inches	4 inches
DATE FOUND:	DATE CLOSED:			
8/19/19	8/21/19			
NOTES:				
Post repair photo.				
Filled in burrow and spread grass seed.				