



January 13, 2014

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 –October 2013 – December 2013*
Coldwater Road Landfill
1245 East Coldwater Road, Flint, MI
MID 005 356 860
FILE: 15388/50137/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 fourth quarter 2013.

1. Work Completed This Reporting Period

- » Dewatering of the leak detection vaults occurred on October 17, 2013, November 13, 2013, and December 13, 2013.
- » The fourth quarter 2013 site inspection occurred on October 17, 2013.
- » Annual inspection with the Michigan Department of Environmental Quality occurred on October 17, 2013.
- » Annual groundwater and LDS monitoring was conducted during the week of November 11, 2013.
- » Annual inspection with the City of Flint, Department of Public Works and Utilities Water Pollution Control occurred on December 3, 2013.
- » Sampling of accumulated liquids was conducted on December 3, 2013.
- » Discharge of liquids from the accumulation tank occurred on December 13, 2013.
- » The Post-Closure Care Plan for the site was updated and submitted electronically to the MDEQ on December 27, 2013 for their review before finalizing and providing hard copies.

2. Summaries of Findings

- » Observed 3 potentially active animal burrows on October 17, 2013 and set traps. See attached figure for animal burrow locations and photo log for detailed information concerning animal burrow activities for this quarter. The entrances to the burrows were temporarily blocked (filled) with rip rap because the available soils on site were frozen and could not be used for backfilling the burrows. Sand will be purchased and used to backfill the burrows prior to the next site visit to complete the backfilling efforts until spring, when topsoil will be placed over the backfilled burrows and grass seed will be spread over the backfilled areas.

3. Summaries of Changes

- » None.

37000 Grand River Avenue, Suite 260, Farmington Hills, MI 48335 | p 248-477-5701 | f 248-477-5962 | www.obg.com

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 January 15, 2014, February 12, 2014, and March 12, 2014.
- » Sampling and discharge of accumulated liquids will be conducted as needed.
- » The first quarter 2014 site inspection will be conducted in March 2014.

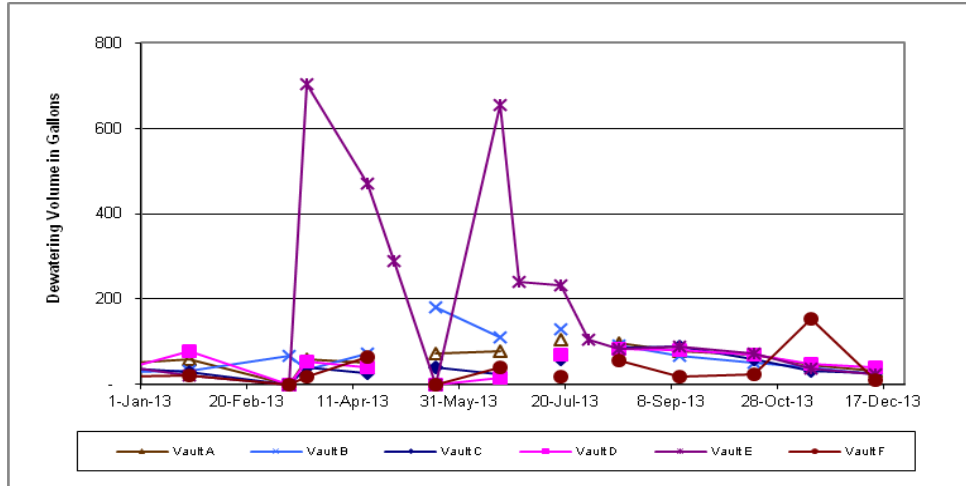
9. Reports/Data

- » Leak detection Vaults A, B, C, D, E and F were pumped on October 17, 2013, November 13, 2013, and December 13, 2013.
- » The following table presents the vault dewatering and monthly leachate sump data for the fourth quarter:

DATE 2013	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
17-Oct-13	69	51	59	69	72	24	344	738
13-Nov-13	46	41	32	49	36	153	357	829
13-Dec-13	31	23	25	41	24	9	153	165
TOTAL	146	115	116	159	132	186	854	1,732

Total volume of water removed from the vaults during the fourth quarter was 854 gallons. According to the master flow meter and discharge records, a total of 1,732 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 2013 Budget Status

- » Task 1 – Continue Ongoing OMM: 100% complete, 100% of 2013 budget.
- » Task 4 – Fe & Mn Delineation: 100% complete, 100% of 2013 budget.
- » Task 6 – Agency Coord./Negotiation & Reporting: 100% complete, 100% of 2013 budget.
- » Task 7 – Project Management & Coordination: 100% complete, 100% of 2013 budget.

Please call me at 248-477-5701 x16 if you have any questions.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Clifford Yantz
Scientist-3

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

PLOTDATE: 09/18/13 10:58:32 AM SchneikB
I:\Racer-Trust_15388\50137_Coldwater-Landfill\Docs\Reports\Quarterly Progress Report\4th Qrt - December\001 - Animal Burrow Location Map 4th Qrt-2013.mxd



This document was developed in color.
Reproduction in B/W may not represent the data as intended.

LEGEND


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

RACER TRUST
COLDWATER ROAD
LANDFILL FACILITY
FLINT, MICHIGAN



**4TH QUARTER 2013
BURROW LOCATION
MAP**



COLDWATER RD LANDFILL – ANIMAL BURROW PHOTO LOG

LOCATION:		APPROX. LENGTH:	APPROX. DEPTH:	APPROX. DIAMETER:
F1 – Bottom of Slope		5+ ft	1 ft	7 inch
DATE FOUND: 10/17/13	DATE CLOSED: 12/13/13			
NOTES: ID: 2013-12-13-044 PRE repair photo. Trap set up for eight weeks. Trap was moved by animal three times and reset. No activity after four weeks. No animal trapped. No signs of liner damage.				
LOCATION:		APPROX. LENGTH:	APPROX. DEPTH:	APPROX. DIAMETER:
F1 – Bottom of Slope		5+ ft	1 ft	7 inch
DATE FOUND: 10/17/13	DATE CLOSED: 12/13/13			
NOTES: POST repair photo. Filled in burrow. Will spread grass seed in spring.				



COLDWATER RD LANDFILL – ANIMAL BURROW PHOTO LOG

LOCATION: B1 – Middle of Slope		APPROX. LENGTH: 5+ ft	APPROX. DEPTH: 1.5 ft	APPROX. DIAMETER: 8 inch
DATE FOUND: 10/17/13	DATE CLOSED: 12/13/13			
NOTES: ID: 2013-12-13-045 PRE repair photo of burrow entry. Trap set up for eight weeks. Trapped animal at exit burrow. The distance between the entry (045) and exit (046) was approximately eight feet. No signs of liner damage.				
LOCATION: B1 – Middle of Slope		APPROX. LENGTH: 5+ ft	APPROX. DEPTH: 1.5 ft	APPROX. DIAMETER: 8 inch
DATE FOUND: 10/17/13	DATE CLOSED: 12/13/13			
NOTES: POST repair photo of burrow entry. Filled in burrow. Will spread grass seed in the spring.				



COLDWATER RD LANDFILL – ANIMAL BURROW PHOTO LOG

LOCATION: B1 – Middle of Slope		APPROX. LENGTH: 5+ ft	APPROX. DEPTH: 1.5 ft	APPROX. DIAMETER: 5 inch
DATE FOUND: 10/17/13	DATE CLOSED: 12/13/13			
NOTES: ID: 2013-12-13-046 PRE repair photo of burrow exit. Trap set up for eight weeks. Trapped animal. The distance between the entry (045) and exit (046) was approximately eight feet. No signs of liner damage.				
LOCATION: B1 – Middle of Slope		APPROX. LENGTH: 5+ ft	APPROX. DEPTH: 1.5 ft	APPROX. DIAMETER: 5 inch
DATE FOUND: 10/17/13	DATE CLOSED: 12/13/13			
NOTES: POST repair photo of burrow exit. Partially filled in burrow, will complete filling in burrow in the spring once the ground has thawed. Placed rock over burrow to prevent entry.				

COLDWATER RD LANDFILL – ANIMAL BURROW PHOTO LOG

LOCATION: B3 – Top of Slope		APPROX. LENGTH: 5+ ft	APPROX. DEPTH: 1.5 ft	APPROX. DIAMETER: 8 inch
DATE FOUND: 10/17/13	DATE CLOSED: 12/13/13			
NOTES: ID: 2013-12-13-047 PRE repair photo of burrow entry. Trap set up for eight weeks. Trap moved by animal three times and reset. No activity for 4 weeks. No animal trapped. The distance between the entry (047) and exit (048) was approximately thirteen feet. No signs of liner damage.				
LOCATION: B3 – Top of Slope		APPROX. LENGTH: 5+ ft	APPROX. DEPTH: 1.5 ft	APPROX. DIAMETER: 8 inch
DATE FOUND: 10/17/13	DATE CLOSED: 12/13/13			
NOTES: POST repair photo of burrow entry. Filled in burrow. Will spread grass seed in the spring.				

COLDWATER RD LANDFILL – ANIMAL BURROW PHOTO LOG

LOCATION: B3 – Top of Slope		APPROX. LENGTH: 5+ ft	APPROX. DEPTH: 1.5 ft	APPROX. DIAMETER: 6 inch
DATE FOUND: 10/17/13	DATE CLOSED: 12/13/13			
NOTES: ID: 2013-12-13-048 PRE repair photo of burrow exit. Trap set up for eight weeks. Trap moved by animal three times and reset. No activity for 4 weeks. No animal trapped. The distance between the entry (047) and exit (048) was approximately thirteen feet. No signs of liner damage.				
LOCATION: B3 – Top of Slope		APPROX. LENGTH: 5+ ft	APPROX. DEPTH: 1.5 ft	APPROX. DIAMETER: 6 inch
DATE FOUND: 10/17/13	DATE CLOSED: 12/13/13			
NOTES: POST repair photo of burrow exit. Filled in burrow. Will spread grass seed in the spring.				