



July 24, 2014

Mr. Tom Hutchings
City of Flint Water Pollution
Water Pollution Control Facilities
G4652 Beecher Rd.
Flint, MI, 48532

RE: **Discharge Permit Submittal- April 2014 through June 2014**
Permit No.: 6-08-04-04-GML1
FILE: 15388/51440/Docs

Dear Mr. Hutchings:

In accordance with requirements of the above referenced discharge permit, we are providing you with the following discharge information for the period April 1, 2014 to June 30, 2014 for the Coldwater Road Landfill facility, located at 6220 Horton Avenue, Flint, Michigan.

- Periodic Report on Continued Compliance, certification
- Periodic Report on Continued Compliance (Table 1)
- Daily Discharge Summary Table (Table 2)
- Analytical Reports provided by Merit Laboratories, Inc. for samples from the on-site, above ground collection tank collected on
- Copy of Chain-of-Custody forms.

The laboratory analytical results indicate concentrations were below the Sewer Use Permit limits for the parameters analyzed for the water discharged to the POTW during the discharge period.

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

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

A handwritten signature in blue ink that reads "Clifford Scott Yantz".

Clifford S. Yantz
Scientist-3

cc: Mr. Kevin Forbes – Beecher Metropolitan District, Flint, MI
Mr. Grant Trigger – RACER Trust
Mr. David Favero – RACER Trust
Mr. Kevin Schneider – O'Brien & Gere

City of Flint Industrial Pretreatment Program

Periodic Report on Continued Compliance

Company Name: RACER Trust, Coldwater Road
Street Address: 6220 Horton Avenue, Flint, Michigan
Permit Number: 6-08-04-04-GML1
Outfall Number: 001

Reporting Period: April 1, 2014 through June 30, 2014

Average Volume of Daily Discharge (during reporting period): 2,529 gallons.
(1 day)

Complete the following:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name of Authorized Representative: Clifford Yantz

Title of Authorized Representative: Scientist-3, O'Brien & Gere Engineers, Inc.
As agent for the RACER Trust

Signature of Authorized Representative: 

Date Signed by Authorized Representative: 7/24/14

If required to implement a Toxic Organics Management Plan (TOMP), complete the following:

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last Periodic Report on Continued Compliance. I further certify that, this facility is implementing the toxic organic management plan submitted to the control authority."

Name of Authorized Representative: N/A

Title of Authorized Representative: N/A

Signature of Authorized Representative: N/A

Date Signed by Authorized Representative: N/A

Table 1
Coldwater Road Landfill
City of Flint Sewer User Self-Monitoring Report
Second Quarter - 2014
6-08-04-04-GML1

City of Flint Sewer User Self-Monitoring Report Coldwater Road Facility												
Analytical Parameter	Ammonia-N	QL*	BOD	QL*	HEM	QL*	pH	QL*	TP	QL*	TSS	QL*
Units	mg/L		mg/L		mg/L		SU		mg/L		mg/L	
Sampling Frequency	Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.	
Daily Maximum Limit	37		427		100		N/A		7		305	
Maximum Limit	N/A		N/A		N/A		10.5		N/A		N/A	
Minimum Limit	N/A		N/A		N/A		6.0		N/A		N/A	
Monthly Average Limit	N/A		N/A		N/A		N/A		N/A		N/A	
Test Result	0.86	0.02	7.8	1	2	1	8.09	0.01	0.05	0.01	7	1
Test Method	4500-NH3 D		10360		1664A		4500-H+ B		4500-PE		2540 D	
Test Date	05-Jun-14		30-May-14		03-Jun-14		29-May-14		03-Jun-14		03-Jun-14	
Sample Date	29-May-14		29-May-14		29-May-14		29-May-14		29-May-14		29-May-14	
Sample Type	wastewater		wastewater		wastewater		wastewater		wastewater		wastewater	
Test Result												
Test Method												
Test Date												
Sample Date												
Sample Type												
Test Result												
Test Method												
Test Date												
Sample Date												
Sample Type												
Test Result												
Test Method												
Test Date												
Sample Date												
Sample Type												
Average Daily Conc.	0.860		7.800		2.000		8.090		0.050		7.000	
Monthly Average Conc.	N/A		N/A		N/A		N/A		N/A		N/A	
No. of Samples	1		1		1		1		1		1	
Number of Limit Exceedances	0		0		0		0		0		0	

Notes: * **Quantification Level:** The lowest level at which the test result is reported by the analytical laboratory as a quantitative numerical value, below which test results are reported as "less than" (<) that value.

E1 = Limit Exceedance; E2 = Sample Expired

Table 1
Coldwater Road Landfill
City of Flint Sewer User Self-Monitoring Report
Second Quarter - 2014
6-08-04-04-GML1

City of Flint Sewer User Self-Monitoring Report Coldwater Road Facility														
Analytical Parameter	Arsenic	QL*	Chromium	QL*	Copper	QL*	Mercury	QL*	Nickel	QL*	Zinc	QL*	Amenable Cyanide	QL*
Units	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
Sampling Frequency	Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.	
Daily Maximum Limit	0.048		0.319		3.12		0.000012		0.795		0.445		N/A	
Maximum Limit	N/A		N/A		N/A		N/A		N/A		N/A		0.087	
Minimum Limit	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Monthly Average Limit	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Test Result	0.010	0.002	0.065	0.005	0.612	0.004	0.000	0.0002	0.188	0.005	0.021	0.005	0.000	0.005
Test Method	200.8		200.8		200.8		245.1		200.8		200.8		335.4/4500-CN-G	
Test Date	06-Jun-14		06-Jun-14		06-Jun-14		02-Jun-14		06-Jun-14		06-Jun-14		30-May-14	
Sample Date	29-May-14		29-May-14		29-May-14		29-May-14		29-May-14		29-May-14		29-May-14	
Sample Type	wastewater		wastewater		wastewater		wastewater		wastewater		wastewater		wastewater	
Test Result														
Test Method														
Test Date														
Sample Date														
Sample Type														
Test Result														
Test Method														
Test Date														
Sample Date														
Sample Type														
Test Result														
Test Method														
Test Date														
Sample Date														
Sample Type														
Average Daily Conc.	0.010		0.065		0.612		0.000		0.188		0.021		0.000	
Monthly Average Conc.	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
No. of Samples	1		1		1		1		1		1		1	
Number of Limit Exceedances	0		0		0		0		0		0		0	

Notes: * **Quantification Level:** The lowest level at which the test result is reported by the analytical laboratory as a quantitative numerical value, below which test results are reported as "less than" (<) that value.

E1 = Limit Exceedance; **E2** = Sample Expired

**Table 2
Coldwater Road Landfill
Daily Discharge Summary Table
Second Quarter - 2014
6-08-04-04-GML1**

Date	Beginning Flow Meter Reading	End Flow Meter Reading	Gallons Discharged	Begin Time of Discharge	End Time of Discharge	Average Flow (gal/min)	Temperature at Discharge		pH
							(C)	(F)	
6/10/2014	489,527	492,056	2,529	9:40	13:00	12.6	22.2	72.0	7.58

Total Discharge Volume: 2,529
Average Volume per Discharge: 2,529

NOTES :



Analytical Laboratory Report

Report ID: S61280.01(01)
Generated on 06/06/2014

Report to

Attention: Clifford Yantz
O'Brien & Gere Engineers, Inc.
37000 Grand River Ave.
Suite 260
Farmington, MI 48335

Phone: 248-477-5701 FAX:
Email: Clifford.Yantz@obg.com

Additional Contacts: Kevin Schneider

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S61280.01
Project: Coldwater Road Landfill
Collected Date: 05/29/2014
Submitted Date/Time: 05/29/2014 14:50
Sampled by: Clifford Yantz
P.O. #: 11311200

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc..

Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#69699), WBENC (#2005110032), Ohio EPA (#CL0002)
IN Drinking Water (#C-MI-07), NELAC NY (#11814), NCDENR (#680), NC Drinking Water (#26702)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S61280.01	02-PRCC-14	Wastewater	05/29/2014 09:20



Analytical Laboratory Report

Lab Sample ID: S61280.01
 Sample Tag: 02-PRCC-14
 Collected Date/Time: 05/29/2014 09:20
 Matrix: Wastewater
 COC Reference: 82198

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	None	Yes	5.2	IR
1	250ml Plastic	H2SO4	Yes	5.2	IR
1	125ml Plastic	HNO3	Yes	5.2	IR
1	125ml Plastic	NaOH	Yes	5.2	IR
1	32oz Glass	HCL	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Mercury Digestion	Completed			E245.1	06/02/14 10:55	CCM		
Metal Digestion	Completed			SW3015A	06/06/14 12:00	PER		

Inorganics

Amenable Cyanide	Not detected	mg/L	0.005	E335.4/SM4500-CN	05/30/14 12:22	JDP	57-12-5AM	1
Ammonia-N (Undistilled)	0.86	mg/L	0.04	SM4500-NH3 D	06/05/14 19:33	MJC	7664-41-7	
Oil & Grease n-Hexane Extract.	2	mg/L	1	E1664A	06/03/14 12:00	RGS		
TBOD5 - Set	Completed	mg/L		10360	05/30/14 13:00	ASB		
TBOD5	7.8	mg/L	1	10360	06/04/14 14:45	ASB		
Total Phosphorus	0.05	mg/L	0.01	SM4500-PE	06/03/14 13:32	MJC	7723-14-0	
Total Suspended Solids	7	mg/L	1	SM2540D	06/03/14 18:15	ASB		

Metals

Arsenic	0.010	mg/L	0.002	E200.8	06/06/14 14:39	PER	7440-38-2	
Chromium	0.065	mg/L	0.005	E200.8	06/06/14 14:39	PER	7440-47-3	
Copper	0.612	mg/L	0.005	E200.8	06/06/14 14:39	PER	7440-50-8	
Mercury	Not detected	mg/L	0.0002	E245.1	06/02/14 15:05	CCM	7439-97-6	
Nickel	0.188	mg/L	0.005	E200.8	06/06/14 14:39	PER	7440-02-0	
Zinc	0.021	mg/L	0.005	E200.8	06/06/14 14:39	PER	7440-66-6	

1-* Total CN- = < 0.005 mg/L



2680 East Lansing Dr., East Lansing, MI 48823
 Phone (517) 332-0167 Fax (517) 332-4034
 www.meritlabs.com

C.O.C. PAGE # 1 OF 1

82198

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Clifford Yantz / Kevin Schneider
 COMPANY O'Brien & Gere
 ADDRESS 37000 Grand River Ave, Suite 260
 CITY Farmington Hills STATE MI ZIP CODE 48335
 PHONE NO. 248 477 5701 FAX NO. 248 477 5942 P.O. NO. _____
 E-MAIL ADDRESS Clifford.Yantz@obg.com QUOTE NO. _____

CONTACT NAME _____ SAME
 COMPANY _____
 ADDRESS _____
 CITY _____ STATE _____ ZIP CODE _____
 PHONE NO. _____ E-MAIL ADDRESS _____

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME Coldwater Road Landfill SAMPLER(S) - PLEASE PRINT/SIGN NAME Clifford Yantz / Kevin Schneider
 TURNAROUND TIME REQUIRED 1 DAY 2 DAYS 3 DAYS STANDARD OTHER _____
 DELIVERABLES REQUIRED STD LEVEL II LEVEL III LEVEL IV EDD OTHER _____

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	# Containers & Preservatives						Certifications
									Total Metals	Amenable Cyanide	BOD, TSS	Ammonia-Nitrogen	Total Phosphorus	FOG (Hex-Cytl)	
WW	5	1	1	1	1	1			X	X	X	X	X	X	<input type="checkbox"/> Detroit <input type="checkbox"/> New York
															<input type="checkbox"/> Other _____
															Special Instructions
															metals are: As, Cr, Cu, Hg, Ni, Zn
															Analysis per city of Flint permit
															Field pH: 8.09
															Field temp: 21.8°C

RELINQUISHED BY: Clifford Yantz / Kevin Schneider Sampler DATE 5/22/14 TIME 09:44
 SIGNATURE/ORGANIZATION _____
 RECEIVED BY: [Signature] Merit DATE 5-24-14 TIME 0745
 SIGNATURE/ORGANIZATION _____
 RELINQUISHED BY: _____ DATE _____ TIME _____
 SIGNATURE/ORGANIZATION _____
 RECEIVED BY: _____ DATE _____ TIME _____
 SIGNATURE/ORGANIZATION _____

RELINQUISHED BY: [Signature] DATE 5/22/14 TIME 1750
 SIGNATURE/ORGANIZATION _____
 RECEIVED BY: Kevin House DATE 5/23/14 TIME 1450
 SIGNATURE/ORGANIZATION _____
 SEAL NO. SEAL INTACT YES NO INITIALS _____ NOTES: TEMP. ON ARRIVAL 52
 SEAL NO. SEAL INTACT YES NO INITIALS _____



Quality Control Report

Report ID: QC-S61280.01(01)
Generated on 06/09/2014

Report to

Attention: Clifford Yantz
O'Brien & Gere Engineers, Inc.
37000 Grand River Ave.
Suite 260
Farmington, MI 48335

Phone: 248-477-5701 FAX:

Report Produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S61280.01
Project: Coldwater Road Landfill
Submitted Date/Time: 05/29/2014 14:50
Sampled by: Clifford Yantz
P.O. #: 11311200

Report Sections

Cover Page (Page 1)
Analysis Summary (Page 2)
Prep Batch Summary (Page 3)
Batch QC Results (Pages 4-10)

Report Flag Descriptions

*: QC result is outside of indicated control limits
W: Surrogate result not applicable due to sample dilution

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#69699), WBENC (#2005110032), Ohio EPA (#CL0002), IN Drinking Water (#C-MI-07), NELAC NY (#11814)
Some analytes reported may not be certified. Full certification lists are available upon request.

Barbara Ball
Quality Assurance Manager

QC Report - Analysis Summary

Lab Sample ID: S61280.01

Sample Tag: 02-PRCC-14

Collected Date/Time: 05/29/2014 09:20

Matrix: Wastewater

COC Reference: 82198

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Amenable Cyanide	E335.4/SM4500-CN	05/30/14 12:22	CN140530-W1	CN140530-W1	No	BLK/LCS/MS/MSD/DUP
Ammonia-N (Undistilled)	SM4500-NH3 D	06/05/14 19:33	AMN140605	AMN140605	No	BLK/LCS/MS/DUP
Oil & Grease n-Hexane Extract.	E1664A	06/03/14 12:00	OGHEX140603W01	OGHEX140603W01	No	BLK/LCS
Total Phosphorus	SM4500-PE	06/03/14 13:32	PHS140603	PHS140603	No	BLK/LCS/MS/DUP
Total Suspended Solids	SM2540D	06/03/14 18:15	TSS140603A	TSS140603A	No	BLK/LCS/DUP
Metals						
Arsenic	E200.8	06/06/14 14:39	MT2-14-0606D	MTD-060614-5	No	LCS/BLK/MS/MSD
Chromium	E200.8	06/06/14 14:39	MT2-14-0606D	MTD-060614-5	No	LCS/BLK/MS/MSD
Copper	E200.8	06/06/14 14:39	MT2-14-0606D	MTD-060614-5	No	LCS/BLK/MS/MSD
Mercury	E245.1	06/02/14 15:05	HG2-14-0602A	HGD-060214-1	No	LCS/BLK/MS/MSD
Nickel	E200.8	06/06/14 14:39	MT2-14-0606D	MTD-060614-5	No	LCS/BLK/MS/MSD
Zinc	E200.8	06/06/14 14:39	MT2-14-0606D	MTD-060614-5	No	LCS/BLK/MS/MSD

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: AMN140605

Surrogates: No, QC Types: BLK/LCS/MS/DUP

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61280.01	Ammonia-N (Undistilled)	SM4500-NH3 D	06/05/14 19:33	AMN140605

Inorganics, Prep Batch ID: CN140530-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61280.01	Amenable Cyanide	E335.4/SM4500-CN	05/30/14 12:22	CN140530-W1

Inorganics, Prep Batch ID: OGHEX140603W01

Surrogates: No, QC Types: BLK/LCS

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61280.01	Oil & Grease n-Hexane Extract.	E1664A	06/03/14 12:00	OGHEX140603W01

Inorganics, Prep Batch ID: PHS140603

Surrogates: No, QC Types: BLK/LCS/MS/DUP

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61280.01	Total Phosphorus	SM4500-PE	06/03/14 13:32	PHS140603

Inorganics, Prep Batch ID: TSS140603A

Surrogates: No, QC Types: BLK/LCS/DUP

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61280.01	Total Suspended Solids	SM2540D	06/03/14 18:15	TSS140603A

Metals, Prep Batch ID: HGD-060214-1

Surrogates: No, QC Types: LCS/BLK/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61280.01	Mercury	E245.1	06/02/14 15:05	HG2-14-0602A

Metals, Prep Batch ID: MTD-060614-5

Surrogates: No, QC Types: LCS/BLK/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61280.01	Arsenic	E200.8	06/06/14 14:39	MT2-14-0606D
S61280.01	Chromium	E200.8	06/06/14 14:39	MT2-14-0606D
S61280.01	Copper	E200.8	06/06/14 14:39	MT2-14-0606D
S61280.01	Nickel	E200.8	06/06/14 14:39	MT2-14-0606D
S61280.01	Zinc	E200.8	06/06/14 14:39	MT2-14-0606D

QC Report - Batch QC Results

Inorganics, Prep Batch ID: AMN140605

Surrogates: No, QC Types: BLK/LCS/MS/DUP

Blank (BLK)

Lab Sample ID: AMN140605.LRB1

Run in Batch: AMN140605, Run Date: 06/05/2014 10:47, Prep Date: 06/05/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Ammonia-N (Undistilled)		ND	0.02	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: AMN140605.LCS1

Run in Batch: AMN140605, Run Date: 06/05/2014 11:39, Prep Date: 06/05/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		101	90	110

Matrix Spike (MS)

Lab Sample ID: AMN140605.MS1, Parent Sample ID: S61242.06

Run in Batch: AMN140605, Run Date: 06/05/2014 14:58, Prep Date: 06/05/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		94	80	120

Duplicate (DUP)

Lab Sample ID: AMN140605.DP1, Parent Sample ID: S61242.05

Run in Batch: AMN140605, Run Date: 06/05/2014 13:54, Prep Date: 06/05/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Ammonia-N (Undistilled)		0.8	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CN140530-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

Blank (BLK)

Lab Sample ID: CN140530-W1.LRB1

Run in Batch: CN140530-W1, Run Date: 05/30/2014 12:00, Prep Date: 05/30/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Amenable Cyanide		ND	0.005	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: CN140530-W1.LCS1

Run in Batch: CN140530-W1, Run Date: 05/30/2014 12:06, Prep Date: 05/30/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		96	90	110

Matrix Spike (MS)

Lab Sample ID: CN140530-W1.MS1, Parent Sample ID: S61161.01

Run in Batch: CN140530-W1, Run Date: 05/30/2014 12:14, Prep Date: 05/30/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		92	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: CN140530-W1.MSD1, Parent Sample ID: CN140530-W1.MS1

Run in Batch: CN140530-W1, Run Date: 05/30/2014 12:16, Prep Date: 05/30/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Amenable Cyanide		93	80	120	1	15

Duplicate (DUP)

Lab Sample ID: CN140530-W1.DP1, Parent Sample ID: S61161.01

Run in Batch: CN140530-W1, Run Date: 05/30/2014 12:12, Prep Date: 05/30/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

QC Report - Batch QC Results

Inorganics, Prep Batch ID: OGHEX140603W01

Surrogates: No, QC Types: BLK/LCS

Blank (BLK)

Lab Sample ID: OGHEX140603W01.LRB1

Run in Batch: OGHEX140603W01, Run Date: 06/03/2014 12:00, Prep Date: 06/03/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Oil & Grease n-Hexane Extract.		ND	1	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX140603W01.LCS1

Run in Batch: OGHEX140603W01, Run Date: 06/03/2014 12:00, Prep Date: 06/03/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		82	78	114

Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX140603W01.LCS2

Run in Batch: OGHEX140603W01, Run Date: 06/03/2014 12:00, Prep Date: 06/03/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		86	78	114

QC Report - Batch QC Results

Inorganics, Prep Batch ID: PHS140603

Surrogates: No, QC Types: BLK/LCS/MS/DUP

Blank (BLK)

Lab Sample ID: PHS140603.LRB1

Run in Batch: PHS140603, Run Date: 06/03/2014 12:54, Prep Date: 06/03/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Total Phosphorus		ND	0.01	mg/L

Blank (BLK)

Lab Sample ID: PHS140603.LRB2

Run in Batch: PHS140603, Run Date: 06/03/2014 13:05, Prep Date: 06/03/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Total Phosphorus		ND	0.01	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: PHS140603.LCS1

Run in Batch: PHS140603, Run Date: 06/03/2014 13:11, Prep Date: 06/03/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		95	90	110

Matrix Spike (MS)

Lab Sample ID: PHS140603.MS1, Parent Sample ID: S61293.01

Run in Batch: PHS140603, Run Date: 06/03/2014 18:37, Prep Date: 06/03/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		93	80	120

Duplicate (DUP)

Lab Sample ID: PHS140603.DP1, Parent Sample ID: S61282.01

Run in Batch: PHS140603, Run Date: 06/03/2014 18:34, Prep Date: 06/03/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Phosphorus		3.7	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: TSS140603A

Surrogates: No, QC Types: BLK/LCS/DUP

Blank (BLK)

Lab Sample ID: TSS140603A.LRB1

Run in Batch: TSS140603A, Run Date: 06/03/2014 18:15, Prep Date: 06/03/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Total Suspended Solids		ND	1	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: TSS140603A.LCS1

Run in Batch: TSS140603A, Run Date: 06/03/2014 18:15, Prep Date: 06/03/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Suspended Solids		105	82	111

Duplicate (DUP)

Lab Sample ID: TSS140603A.DP1, Parent Sample ID: S61260.01

Run in Batch: TSS140603A, Run Date: 06/03/2014 18:15, Prep Date: 06/03/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Suspended Solids		2	15

QC Report - Batch QC Results

Metals, Prep Batch ID: HGD-060214-1

Surrogates: No, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Lab Sample ID: HG2-14-0602A.015.LCS

Run in Batch: HG2-14-0602A, Run Date: 06/02/2014 14:51, Prep Date: 06/02/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		102	85	115

Blank (BLK)

Lab Sample ID: HG2-14-0602A.016.LRB

Run in Batch: HG2-14-0602A, Run Date: 06/02/2014 14:53, Prep Date: 06/02/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Mercury		ND	0.03	ug/L

Matrix Spike (MS)

Lab Sample ID: HG2-14-0602A.027.MS, Parent Sample ID: S61271.04

Run in Batch: HG2-14-0602A, Run Date: 06/02/2014 15:15, Prep Date: 06/02/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		104	80	120

Matrix Spike (MS)

Lab Sample ID: HG2-14-0602A.037.MS, Parent Sample ID: S61305.04

Run in Batch: HG2-14-0602A, Run Date: 06/02/2014 15:35, Prep Date: 06/02/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		107	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-14-0602A.028.MSD, Parent Sample ID: HG2-14-0602A.027.MS

Run in Batch: HG2-14-0602A, Run Date: 06/02/2014 15:17, Prep Date: 06/02/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury		102	80	120	2	20

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-14-0602A.038.MSD, Parent Sample ID: HG2-14-0602A.037.MS

Run in Batch: HG2-14-0602A, Run Date: 06/02/2014 15:37, Prep Date: 06/02/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury		108	80	120	1	20

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-060614-5

Surrogates: No, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Lab Sample ID: MT2-14-0606D.019.LCS

Run in Batch: MT2-14-0606D, Run Date: 06/06/2014 14:15, Prep Date: 06/06/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		104	85	115
Chromium		99	85	115
Copper		103	85	115
Nickel		100	85	115
Zinc		103	85	115

Blank (BLK)

Lab Sample ID: MT2-14-0606D.021.LRB

Run in Batch: MT2-14-0606D, Run Date: 06/06/2014 14:29, Prep Date: 06/06/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Arsenic		ND	0.0004	mg/L
Chromium		ND	0.001	mg/L
Copper		ND	0.001	mg/L
Nickel		ND	0.001	mg/L
Zinc		ND	0.002	mg/L

Matrix Spike (MS)

Lab Sample ID: MT2-14-0606D.029.MS, Parent Sample ID: S61170.01

Run in Batch: MT2-14-0606D, Run Date: 06/06/2014 15:01, Prep Date: 06/06/2014, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		106	75	125
Chromium		94	75	125
Copper		98	75	125
Nickel		93	75	125
Zinc		102	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT2-14-0606D.030.MSD, Parent Sample ID: MT2-14-0606D.029.MS

Run in Batch: MT2-14-0606D, Run Date: 06/06/2014 15:04, Prep Date: 06/06/2014, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		107	75	125	0	20
Chromium		93	75	125	1	20
Copper		100	75	125	2	20
Nickel		96	75	125	3	20
Zinc		104	75	125	2	20



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 www.meritlabs.com

C.O.C. PAGE # 1 OF 1

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REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Clifford Yantz / Kevin Schneider
 COMPANY: O'Brien & Gere
 ADDRESS: 37000 Grand River Ave, Suite 260
 CITY: Farmington Hills STATE: MI ZIP CODE: 48335
 PHONE NO.: 248 477 5701 FAX NO.: 248 477 5942
 E-MAIL ADDRESS: Clifford.Yantz@obg.com

CONTACT NAME: _____ SAME
 COMPANY: _____
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP CODE: _____
 PHONE NO.: _____ E-MAIL ADDRESS: _____

PROJECT NO./NAME: Coldwater Road Landfill SAMPLER(S) - PLEASE PRINT/SIGN NAME: Clifford Yantz / Kevin Schneider
 TURNAROUND TIME REQUIRED 1 DAY 2 DAYS 3 DAYS STANDARD OTHER _____
 DELIVERABLES REQUIRED STD LEVEL II LEVEL III LEVEL IV EDD OTHER _____

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives															
	DATE	TIME				NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER									
<u>61280.01</u>	<u>5/29/14</u>	<u>09:20</u>	<u>02-PRCC-14</u>	<u>WW</u>	<u>5</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>

Total Metals	Amenable Cyanide	BOD, TSS	Ammonia-Nitrogen	Total Phosphorus	FOG (Hex-Cytl)
<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>

Certifications
 OHIO VAP Drinking Water
 DoD NPDES

Project Locations
 Detroit New York
 Other _____

Special Instructions
metals are: As, Cr, Cu, Hg, Ni, Zn
Analysis per city of Flint permit
Field pH: 8.09
Field temp: 21.8°C

RELINQUISHED BY: Clifford Yantz / Kevin Schneider (SAMPLER) DATE: 5/29/14 TIME: 09:44
 RECEIVED BY: [Signature] / Merit DATE: 5-29-14 TIME: 0745

RELINQUISHED BY: [Signature] DATE: 5/29/14 TIME: 1750
 RECEIVED BY: Kevin House DATE: 5/29/14 TIME: 1450

SEAL NO. SEAL INTACT INITIALS NOTES: TEMP. ON ARRIVAL 52
 YES NO
 SEAL NO. SEAL INTACT INITIALS
 YES NO

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE