



April 26, 2013

Mr. Tom Hutchings

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

RE: *Discharge Permit Submittal–January 2013 through March 2013*
Permit No.: 6-08-04-04-GML1

FILE: 15388/48630/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 **January 1, 2013 to March 31, 2013** 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 March 12, 2013
- | 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 Yantz
Technical Associate

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: January 1, 2013 through March 31, 2013

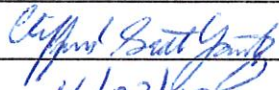
Average Volume of Daily Discharge (during reporting period): 2,682 gallons per day.
(1 day)

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: Technical Associate, O'Brien & Gere Engineers, Inc.
As agent for the RACER Trust

Signature of Authorized Representative: 

Date Signed by Authorized Representative: 4/23/13

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
First Quarter - 2013
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	5.10	0.005	18.0	1	1	1	8.81	0.01	0.13	0.01	120	1
Test Method	4500-NH3 D		10360		1664A		4500-H+ B		4500-PE		2540 D	
Test Date	14-Mar-13		14-Mar-13		12-Mar-13		12-Mar-13		13-Mar-13		13-Mar-13	
Sample Date	12-Mar-13		12-Mar-13		12-Mar-13		12-Mar-13		12-Mar-13		12-Mar-13	
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.	5.100		18.000		1.000		8.810		0.130		120.000	
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
First Quarter - 2013
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		0.00012		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	0.026	0.002	0.044	0.005	1.560	0.004	0.000	0.00020	0.430	0.005	0.025	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	14-Mar-13		14-Mar-13		14-Mar-13		13-Mar-12		14-Mar-13		14-Mar-13		18-Mar-13	
Sample Date	12-Mar-13		12-Mar-13		12-Mar-13		12-Mar-13		12-Mar-13		12-Mar-13		12-Mar-13	
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.	0.026		0.044		1.560		0.000		0.430		0.025		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
First Quarter - 2013
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)	
3/20/2013	474,039	476,721	2,682	12:50	15:55	14.5	9.0	48.2	7.61

Total Discharge Volume: 2,682
Average Volume per Discharge: 2,682

NOTES :



Analytical Laboratory Report

Report ID: S55705.01(01)
Generated on 03/19/2013

Report to

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

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

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:

Andy Ball (andyball@meritlabs.com)
Tabitha Faust (tfaust@meritlabs.com)

Report Summary

Lab Sample ID(s): S55705.01
Project: Coldwater Rd Landfill
Collected Date: 03/12/2013
Submitted Date/Time: 03/12/2013 14:15
Sampled by: Kevin Schneide
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)
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
S55705.01	01-PRCC-13	Wastewater	03/12/2013 11:50



Analytical Laboratory Report

Lab Sample ID: S55705.01
 Sample Tag: 01-PRCC-13
 Collected Date/Time: 03/12/2013 11:50
 Matrix: Wastewater
 COC Reference: 82405

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	None	Yes	4.7	IR
1	250ml Plastic	H2SO4	Yes	4.7	IR
1	125ml Plastic	NaOH	Yes	4.7	IR
1	125ml Plastic	HNO3	Yes	4.7	IR
1	32oz Glass	HCL	Yes	4.7	IR

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

Mercury Digestion	Completed			E245.1	03/13/13 11:15	CCM		
Metal Digestion	Completed			3015A	03/14/13 01:00	SLR		

Inorganics

Amenable Cyanide	Not detected	mg/L	0.005	335.4/4500-CN-G	03/18/13 11:58	JDP	57-12-5AM	1
Ammonia-N (Undistilled)	5.1	mg/L	0.1	4500-NH3 D	03/14/13 16:14	MJC	7664-41-7	
Field pH	8.81	STD Units	0.01	4500-H+ B	03/12/13 11:50	KS		
Field Temperature	51	oF	1	2550 B	03/12/13 11:50	KS		
Oil & Grease n-Hexane Extract.	1	mg/L	1	1664A	03/12/13 17:30	CCM		
TBOD5 - Set	Completed	mg/L		10360	03/14/13 08:45	RGS		
TBOD5	18	mg/L	1	10360	03/19/13 09:00	RGS		
Total Phosphorus	0.13	mg/L	0.01	4500-PE	03/13/13 17:19	MJC	7723-14-0	
Total Suspended Solids	120	mg/L	1	2540 D	03/13/13 12:00	ASB		

Metals

Arsenic	0.026	mg/L	0.002	E200.8	03/14/13 12:42	SLS	7440-38-2	
Chromium	0.044	mg/L	0.005	E200.8	03/14/13 12:42	SLS	7440-47-3	
Copper	1.56	mg/L	0.004	E200.8	03/14/13 12:42	SLS	7440-50-8	
Mercury	Not detected	mg/L	0.0002	E245.1	03/13/13 16:16	CCM	7439-97-6	
Nickel	0.430	mg/L	0.005	E200.8	03/14/13 12:42	SLS	7440-02-0	
Zinc	0.025	mg/L	0.005	E200.8	03/14/13 12:42	SLS	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

82405

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Clifford Yantz / Kevin Schneider
 COMPANY O'Brien & Gere
 ADDRESS 37006 Grand River Ave Ste 260
 CITY Farmington Hills STATE MI ZIP CODE 48335
 PHONE NO. 248-477-5701 FAX NO. _____ P.O. NO. _____
 E-MAIL ADDRESS Clifford.Yantz@obg.com QUOTE NO. _____

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

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME Coldwater Rd Landfill SAMPLER(S) - PLEASE PRINT/SIGN NAME 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

# Containers & Preservatives	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	Total Metals	Amenable cyanide	BOD, TSS	Ammonia - Nitrogen	Total Phosphorus	FOG (Hex-Ext)
								X	X	X	X	X	X

Certifications
 OHIO VAP Drinking Water
 DoD NPDES
 Project Locations
 Detroit New York
 Other Flint, MI
 Special Instructions
Metals ARE: As, Cr, Cu, Hg, Ni, Zn
Analysis Per City of Flint Permit
 Field PH: 8.81
 Field Temp: 10.8 °C

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	Total Metals	Amenable cyanide	BOD, TSS	Ammonia - Nitrogen	Total Phosphorus	FOG (Hex-Ext)
	DATE	TIME																
<u>55705.01</u>	<u>3/12/13</u>	<u>1150</u>	<u>01-PRCC-13</u>	<u>ww</u>	<u>5</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>			X	X	X	X	X	X

RELINQUISHED BY: [Signature] Sampler DATE 3/12/13 TIME 1210
 SIGNATURE/ORGANIZATION O'Brien & Gere
 RECEIVED BY: [Signature] DATE 3-12-13 TIME 1240
 SIGNATURE/ORGANIZATION _____
 RELINQUISHED BY: _____ DATE _____ TIME _____
 SIGNATURE/ORGANIZATION _____
 RECEIVED BY: _____ DATE _____ TIME _____
 SIGNATURE/ORGANIZATION _____

RELINQUISHED BY: [Signature] DATE 3-12-13 TIME 1415
 SIGNATURE/ORGANIZATION [Signature]
 RECEIVED BY: [Signature] DATE 3-12-13 TIME 1415
 SIGNATURE/ORGANIZATION Talbot Fount
 SEAL NO. _____ SEAL INTACT _____ INITIALS _____
 YES NO
 SEAL NO. _____ SEAL INTACT _____ INITIALS _____
 YES NO
 NOTES: TEMP. ON ARRIVAL 47



Quality Control Report

Report ID: QC-S55705.01(01)

Generated on 03/21/2013

Report to

Attention: Clifford Yantz/ Kevin Schneider
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): S55705.01
Project: Coldwater Rd Landfill
Submitted Date/Time: 03/12/2013 14:15
Sampled by: Kevin Schneide
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: S55705.01

Sample Tag: 01-PRCC-13

Collected Date/Time: 03/12/2013 11:50

Matrix: Wastewater

COC Reference: 82405

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Amenable Cyanide	335.4/4500-CN-G	03/18/13 11:58	CN130318-W1	CN130318-W1	No	BLK/LCS/MS/MSD/DUP
Ammonia-N (Undistilled)	4500-NH3 D	03/14/13 16:14	AMN130314	AMN130314	No	BLK/LCS/MS/DUP
Oil & Grease n-Hexane Extract.	1664A	03/12/13 17:30	OGHEX130312W02	OGHEX130312W02	No	BLK/LCS
Total Phosphorus	4500-PE	03/13/13 17:19	PHS130313	PHS130313	No	BLK/LCS/MS/DUP
Total Suspended Solids	2540 D	03/13/13 12:00	TSS130313	TSS130313	No	BLK/LCS/DUP
Metals						
Arsenic	E200.8	03/14/13 12:42	MT3-13-0314A	MTD-031413-1	No	LCS/BLK/MS/MSD
Chromium	E200.8	03/14/13 12:42	MT3-13-0314A	MTD-031413-1	No	LCS/BLK/MS/MSD
Copper	E200.8	03/14/13 12:42	MT3-13-0314A	MTD-031413-1	No	LCS/BLK/MS/MSD
Mercury	E245.1	03/13/13 16:16	HG2-13-0313A	HGD-031313-1	No	LCS/BLK/MS/MSD/DUP
Nickel	E200.8	03/14/13 12:42	MT3-13-0314A	MTD-031413-1	No	LCS/BLK/MS/MSD
Zinc	E200.8	03/14/13 12:42	MT3-13-0314A	MTD-031413-1	No	LCS/BLK/MS/MSD

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: AMN130314

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S55705.01	Ammonia-N (Undistilled)	4500-NH3 D	03/14/13 16:14	AMN130314

Inorganics, Prep Batch ID: CN130318-W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S55705.01	Amenable Cyanide	335.4/4500-CN-G	03/18/13 11:58	CN130318-W1

Inorganics, Prep Batch ID: OGHEX130312W02

Surrogates: No, QC Types: BLK/LCS

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S55705.01	Oil & Grease n-Hexane Extract.	1664A	03/12/13 17:30	OGHEX130312W02

Inorganics, Prep Batch ID: PHS130313

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S55705.01	Total Phosphorus	4500-PE	03/13/13 17:19	PHS130313

Inorganics, Prep Batch ID: TSS130313

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S55705.01	Total Suspended Solids	2540 D	03/13/13 12:00	TSS130313

Metals, Prep Batch ID: HGD-031313-1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S55705.01	Mercury	E245.1	03/13/13 16:16	HG2-13-0313A

Metals, Prep Batch ID: MTD-031413-1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S55705.01	Arsenic	E200.8	03/14/13 12:42	MT3-13-0314A
S55705.01	Chromium	E200.8	03/14/13 12:42	MT3-13-0314A
S55705.01	Copper	E200.8	03/14/13 12:42	MT3-13-0314A
S55705.01	Nickel	E200.8	03/14/13 12:42	MT3-13-0314A
S55705.01	Zinc	E200.8	03/14/13 12:42	MT3-13-0314A

QC Report - Batch QC Results

Inorganics, Prep Batch ID: AMN130314

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

Blank (BLK)

Lab Sample ID: AMN130314.LRB1

Run in Batch: AMN130314, Run Date: 03/14/2013 11:34, Prep Date: 03/14/2013, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: AMN130314.LCS1

Run in Batch: AMN130314, Run Date: 03/14/2013 12:33, Prep Date: 03/14/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		104	90	110

Matrix Spike (MS)

Lab Sample ID: AMN130314.MS1, Parent Sample ID: S55666.01

Run in Batch: AMN130314, Run Date: 03/14/2013 13:35, Prep Date: 03/14/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		111	80	120

Duplicate (DUP)

Lab Sample ID: AMN130314.DP1, Parent Sample ID: S55642.01

Run in Batch: AMN130314, Run Date: 03/14/2013 12:54, Prep Date: 03/14/2013, Matrix: Liquid, Dilution: 1

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

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CN130318-W1

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

Blank (BLK)

Lab Sample ID: CN130318-W1.LRB1

Run in Batch: CN130318-W1, Run Date: 03/18/2013 11:30, Prep Date: 03/18/2013, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: CN130318-W1.LCS1

Run in Batch: CN130318-W1, Run Date: 03/18/2013 11:36, Prep Date: 03/18/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		101	90	110

Matrix Spike (MS)

Lab Sample ID: CN130318-W1.MS1, Parent Sample ID: S55676.01

Run in Batch: CN130318-W1, Run Date: 03/18/2013 11:46, Prep Date: 03/18/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		93	90	110

Matrix Spike Duplicate (MSD)

Lab Sample ID: CN130318-W1.MSD1, Parent Sample ID: CN130318-W1.MS1

Run in Batch: CN130318-W1, Run Date: 03/18/2013 11:48, Prep Date: 03/18/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Amenable Cyanide		94	80	120	1	15

Duplicate (DUP)

Lab Sample ID: CN130318-W1.DP1, Parent Sample ID: S55676.01

Run in Batch: CN130318-W1, Run Date: 03/18/2013 11:44, Prep Date: 03/18/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

QC Report - Batch QC Results

Inorganics, Prep Batch ID: OGHEX130312W02

Surrogates: No, QC Types: BLK/LCS

Blank (BLK)

Lab Sample ID: OGHEX130312W02.LRB1

Run in Batch: OGHEX130312W02, Run Date: 03/12/2013 17:30, Prep Date: 03/12/2013, 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: OGHEX130312W02.LCS1

Run in Batch: OGHEX130312W02, Run Date: 03/12/2013 17:30, Prep Date: 03/12/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		92	78	114

Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX130312W02.LCS2

Run in Batch: OGHEX130312W02, Run Date: 03/12/2013 17:30, Prep Date: 03/12/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		94	78	114

QC Report - Batch QC Results

Inorganics, Prep Batch ID: PHS130313

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

Blank (BLK)

Lab Sample ID: PHS130313.LRB1

Run in Batch: PHS130313, Run Date: 03/13/2013 12:26, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: PHS130313.LCS1

Run in Batch: PHS130313, Run Date: 03/13/2013 12:38, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		98	90	110

Matrix Spike (MS)

Lab Sample ID: PHS130313.MS1, Parent Sample ID: S55701.01

Run in Batch: PHS130313, Run Date: 03/13/2013 17:59, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		93	80	120

Duplicate (DUP)

Lab Sample ID: PHS130313.DP1, Parent Sample ID: S55678.03

Run in Batch: PHS130313, Run Date: 03/13/2013 17:56, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Phosphorus		0.1	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: TSS130313

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

Blank (BLK)

Lab Sample ID: TSS130313.LRB1

Run in Batch: TSS130313, Run Date: 03/13/2013 12:00, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: TSS130313.LCS1

Run in Batch: TSS130313, Run Date: 03/13/2013 12:00, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Suspended Solids		109	90	110

Duplicate (DUP)

Lab Sample ID: TSS130313.DP1, Parent Sample ID: S55705.01

Run in Batch: TSS130313, Run Date: 03/13/2013 12:00, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Suspended Solids		3	15

QC Report - Batch QC Results

Metals, Prep Batch ID: HGD-031313-1

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

Laboratory Control Sample (LCS)

Lab Sample ID: HG2-13-0313A.015.LCS

Run in Batch: HG2-13-0313A, Run Date: 03/13/2013 15:26, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		102	85	115

Blank (BLK)

Lab Sample ID: HG2-13-0313A.016.LRB

Run in Batch: HG2-13-0313A, Run Date: 03/13/2013 15:28, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Mercury		ND	0.03	ug/L

Matrix Spike (MS)

Lab Sample ID: HG2-13-0313A.028.MS, Parent Sample ID: S55645.01

Run in Batch: HG2-13-0313A, Run Date: 03/13/2013 15:52, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL
Mercury	*	131	80	120

Matrix Spike (MS)

Lab Sample ID: HG2-13-0313A.032.MS, Parent Sample ID: S55645.01

Run in Batch: HG2-13-0313A, Run Date: 03/13/2013 16:10, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL
Mercury		108	80	120

Matrix Spike (MS)

Lab Sample ID: HG2-13-0313A.035.MS, Parent Sample ID: S55705.01

Run in Batch: HG2-13-0313A, Run Date: 03/13/2013 16:18, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		111	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-13-0313A.036.MSD, Parent Sample ID: HG2-13-0313A.035.MS

Run in Batch: HG2-13-0313A, Run Date: 03/13/2013 16:20, Prep Date: 03/13/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury		103	80	120	7	20

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-031413-1

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

Laboratory Control Sample (LCS)

Lab Sample ID: MT3-13-0314A.012.LCS

Run in Batch: MT3-13-0314A, Run Date: 03/14/2013 12:14, Prep Date: 03/14/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		100	85	115
Chromium		100	85	115
Copper		100	85	115
Nickel		100	85	115
Zinc		102	85	115

Blank (BLK)

Lab Sample ID: MT3-13-0314A.015.LRB

Run in Batch: MT3-13-0314A, Run Date: 03/14/2013 12:25, Prep Date: 03/14/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Arsenic		ND	0.0001	mg/L
Chromium		ND	0.001	mg/L
Copper		ND	0.0008	mg/L
Nickel		ND	0.001	mg/L
Zinc		ND	0.001	mg/L

Matrix Spike (MS)

Lab Sample ID: MT3-13-0314A.024.MS, Parent Sample ID: S55682.09

Run in Batch: MT3-13-0314A, Run Date: 03/14/2013 12:55, Prep Date: 03/14/2013, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		104	75	125
Chromium		104	75	125
Copper		100	75	125
Nickel		100	75	125
Zinc		104	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT3-13-0314A.025.MSD, Parent Sample ID: MT3-13-0314A.024.MS

Run in Batch: MT3-13-0314A, Run Date: 03/14/2013 12:58, Prep Date: 03/14/2013, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		103	75	125	1	20
Chromium		103	75	125	1	20
Copper		101	75	125	1	20
Nickel		98	75	125	2	20
Zinc		102	75	125	2	20



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C.O.C. PAGE # 1 OF 1

82405

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Clifford Yantz / Kevin Schneider
 COMPANY O'Brien & Gere
 ADDRESS 37006 Grand River Ave Ste 260
 CITY Farmington Hills STATE MI ZIP CODE 48335
 PHONE NO. 248-477-5701 FAX NO. _____ P.O. NO. _____
 E-MAIL ADDRESS Clifford.Yantz@obg.com QUOTE NO. _____

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

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME Coldwater Rd Landfill SAMPLER(S) - PLEASE PRINT/SIGN NAME 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

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER
	DATE	TIME										
55705.01	3/12/13	1150	01-PRCC-13	ww	5	1	1	1	1			

Total Metals	Amenable cyanide	BOD, TSS	Ammonia - Nitrogen	Total Phosphorus	FOG (Hex-Ext)
X	X	X	X	X	X

Certifications
 OHIO VAP Drinking Water
 DoD NPDES

Project Locations
 Detroit New York
 Other Flint, MI

Special Instructions
Metals ARE: As, Cr, Cu, Hg, Ni, Zn
Analysis Per City of Flint Permit
 Field PH: 8.81
 Field Temp: 10.8 °C

RELINQUISHED BY: [Signature] Sampler
 SIGNATURE/ORGANIZATION O'Brien & Gere DATE 3/12/13 TIME 1210
 RECEIVED BY: [Signature] DATE 3-12-13 TIME 1240

RELINQUISHED BY: _____ DATE _____ TIME _____
 SIGNATURE/ORGANIZATION _____
 RECEIVED BY: _____ DATE _____ TIME _____
 SIGNATURE/ORGANIZATION _____

RELINQUISHED BY: [Signature]
 SIGNATURE/ORGANIZATION [Signature] DATE 3-12-13 TIME 1415
 RECEIVED BY: [Signature] DATE 3-12-13 TIME 1415

SEAL NO. _____ SEAL INTACT _____ INITIALS _____
 YES NO
 SEAL NO. _____ SEAL INTACT _____ INITIALS _____
 YES NO

NOTES: TEMP. ON ARRIVAL 47