



October 21, 2013

Mr. Tom Hutchings

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

RE: ***Discharge Permit Submittal-July 2013 through September 2013***
Permit No.: 6-08-04-04-GML1

FILE: 15388/50137/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 July 1, 2013 to September 30, 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 September 4, 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 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: July 1, 2013 through September 30, 2013

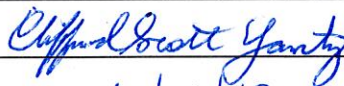
Average Volume of Daily Discharge (during reporting period): 2,152 gallons.
(2 days)

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: 10/21/13

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
Third 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	2.6	0.005	7	1	3	1	7.30	0.01	0.05	0.01	95	1
Test Method	4500-NH3 D		10360		1664A		4500-H+ B		4500-PE		2540 D	
Test Date	06-Sep-13		05-Sep-13		10-Sep-13		04-Sep-13		04-Sep-13		10-Sep-13	
Sample Date	04-Sep-13		04-Sep-13		04-Sep-13		04-Sep-13		04-Sep-13		04-Sep-13	
Sample Type	wastewater		wastewater		wastewater		wastewater		wastewater		wastewater	
Test Result												
Test Method												
Test Date												
Sample Date												
Sample Type												
Test Result												
Test Method												
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Sample Type												
Test Result												
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Sample Date												
Sample Type												
Average Daily Conc.	2.600		7.000		3.000		7.300		0.050		95.000	
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
Third Quarter - 2013
6-08-04-04-GML1

[illegible]

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
Third 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)	
9/12/2013	481,701	484,471	2,770	13:20	15:20	23.1	24.6	76.3	6.80
9/13/2013	484,471	486,005	1,534	8:30	9:45	20.5	25.0	77.0	7.27

Total Discharge Volume: **4,304**
Average Volume per Discharge: **2,152**

NOTES :



Analytical Laboratory Report

Supplemental Report

Report ID: S57917.01(02)

Generated on 09/17/2013

Replaces report S57917.01(01) generated on 09/11/2013

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:
Tabitha Faust (tfaust@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S57917.01
Project: Coldwater Rd Landfill
Collected Date: 09/04/2013
Submitted Date/Time: 09/04/2013 14:15
Sampled by: Kevin Schneider
P.O. #: 11311200

All analyses complete

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

Supplemental Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S57917.01	03-PRCC-13	Wastewater	09/04/2013 10:20



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S57917.01
Sample Tag: 03-PRCC-13
Collected Date/Time: 09/04/2013 10:20
Matrix: Wastewater
COC Reference: 64367

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	None	Yes	5.5	IR
1	250ml Plastic	H2SO4	Yes	5.5	IR
1	125ml Plastic	NaOH	Yes	5.5	IR
1	125ml Plastic	HNO3	Yes	5.5	IR
1	32oz Glass	HCL	Yes	5.5	IR

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

Mercury Digestion	Completed			E245.1	09/05/13 12:00	CCM		
Metal Digestion	Completed			3015A	09/16/13 11:00	JRH		

Inorganics

Amenable Cyanide	Not detected	mg/L	0.005	335.4/4500-CN-G	09/06/13 19:05	JDP	57-12-5AM	1
Ammonia-N (Undistilled)	2.6	mg/L	0.1	4500-NH3 D	09/05/13 18:54	MJC	7664-41-7	
Field pH	7.30	STD Units	0.01	4500-H+ B	09/04/13 10:20	OBG		
Field Temperature	80	oF	1	2550 B	09/04/13 10:20	OBG		
Oil & Grease n-Hexane Extract.	3	mg/L	1	1664A	09/10/13 17:08	RGS		
TBOD5 - Set	Completed	mg/L		10360	09/05/13 09:45	ASB		
TBOD5	7	mg/L	1	10360	09/10/13 10:10	ASB		
Total Phosphorus	0.05	mg/L	0.01	4500-PE	09/04/13 19:54	MJC	7723-14-0	
Total Suspended Solids	95	mg/L	1	2540 D	09/10/13 17:00	ASB		

Metals

Arsenic	0.008	mg/L	0.002	E200.8	09/17/13 13:06	JRH	7440-38-2	
Chromium	0.047	mg/L	0.005	E200.8	09/17/13 13:06	JRH	7440-47-3	
Copper	0.575	mg/L	0.004	E200.8	09/17/13 13:06	JRH	7440-50-8	
Mercury	Not detected	mg/L	0.0002	E245.1	09/05/13 15:52	CCM	7439-97-6	
Nickel	0.144	mg/L	0.005	E200.8	09/17/13 13:06	JRH	7440-02-0	
Zinc	0.034	mg/L	0.005	E200.8	09/17/13 13:06	JRH	7440-66-6	

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



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C.O.C. PAGE # 1 OF 1

64367

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

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

CONTACT NAME		☒ SAME	
COMPANY			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.	

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)[illegible]

RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i> O'Brien & Gere	DATE 9/4/13	TIME 1045
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i> 1/10/14	DATE 9-4-13	TIME 1045
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE: 9/13		TIME: 11:15	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE: 9-4-13		TIME: 12:15	
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 55		
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS			

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE



Quality Control Report

Report ID: QC-S57917.01(01)

Generated on 09/19/2013

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): S57917.01
Project: Coldwater Rd Landfill
Submitted Date/Time: 09/04/2013 14:15
Sampled by: Kevin Schneider
P.O. #: 11311200

Report Sections

Cover Page (Page 1)
Analysis Summary (Page 2)
Prep Batch Summary (Page 3)
Batch QC Results (Pages 4-11)

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: S57917.01

Sample Tag: 03-PRCC-13

Collected Date/Time: 09/04/2013 10:20

Matrix: Wastewater

COC Reference: 64367

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Amenable Cyanide	335.4/4500-CN-G	09/06/13 19:05	CN130906-W1	CN130906-W1	No	BLK/LCS/MS/MSD/DUP
Ammonia-N (Undistilled)	4500-NH3 D	09/05/13 18:54	AMN130905	AMN130905	No	BLK/LCS/MS/DUP
Oil & Grease n-Hexane Extract.	1664A	09/10/13 17:08	OGHEX130910W01	OGHEX130910W01	No	BLK/LCS
Total Phosphorus	4500-PE	09/04/13 19:54	PHS130904	PHS130904	No	BLK/LCS/MS/DUP
Total Suspended Solids	2540 D	09/10/13 17:00	TSS130910	TSS130910	No	BLK/LCS/DUP
Metals						
Arsenic	E200.8	09/17/13 13:06	MT3-13-0917A	MTD-091613-5	No	LCS/BLK/MS/MSD
Chromium	E200.8	09/17/13 13:06	MT3-13-0917A	MTD-091613-5	No	LCS/BLK/MS/MSD
Copper	E200.8	09/17/13 13:06	MT3-13-0917A	MTD-091613-5	No	LCS/BLK/MS/MSD
Mercury	E245.1	09/05/13 15:52	HG2-13-0905A	HGD-090513-1	No	LCS/BLK/MS/MSD
Nickel	E200.8	09/17/13 13:06	MT3-13-0917A	MTD-091613-5	No	LCS/BLK/MS/MSD
Zinc	E200.8	09/17/13 13:06	MT3-13-0917A	MTD-091613-5	No	LCS/BLK/MS/MSD

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: AMN130905

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S57917.01	Ammonia-N (Undistilled)	4500-NH3 D	09/05/13 18:54	AMN130905

Inorganics, Prep Batch ID: CN130906-W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S57917.01	Amenable Cyanide	335.4/4500-CN-G	09/06/13 19:05	CN130906-W1

Inorganics, Prep Batch ID: OGHEX130910W01

Surrogates: No, QC Types: BLK/LCS

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S57917.01	Oil & Grease n-Hexane Extract.	1664A	09/10/13 17:08	OGHEX130910W01

Inorganics, Prep Batch ID: PHS130904

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S57917.01	Total Phosphorus	4500-PE	09/04/13 19:54	PHS130904

Inorganics, Prep Batch ID: TSS130910

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S57917.01	Total Suspended Solids	2540 D	09/10/13 17:00	TSS130910

Metals, Prep Batch ID: HGD-090513-1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S57917.01	Mercury	E245.1	09/05/13 15:52	HG2-13-0905A

Metals, Prep Batch ID: MTD-091613-5

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S57917.01	Arsenic	E200.8	09/17/13 13:06	MT3-13-0917A
S57917.01	Chromium	E200.8	09/17/13 13:06	MT3-13-0917A
S57917.01	Copper	E200.8	09/17/13 13:06	MT3-13-0917A
S57917.01	Nickel	E200.8	09/17/13 13:06	MT3-13-0917A
S57917.01	Zinc	E200.8	09/17/13 13:06	MT3-13-0917A

QC Report - Batch QC Results

Inorganics, Prep Batch ID: AMN130905

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

Blank (BLK)

Lab Sample ID: AMN130905.LRB1

Run in Batch: AMN130905, Run Date: 09/05/2013 11:47, Prep Date: 09/05/2013, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: AMN130905.LCS1

Run in Batch: AMN130905, Run Date: 09/05/2013 12:19, Prep Date: 09/05/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		103	90	110

Matrix Spike (MS)

Lab Sample ID: AMN130905.MS1, Parent Sample ID: S57857.01

Run in Batch: AMN130905, Run Date: 09/05/2013 13:11, Prep Date: 09/05/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		99	80	120

Matrix Spike (MS)

Lab Sample ID: AMN130905.MS2, Parent Sample ID: S57870.01

Run in Batch: AMN130905, Run Date: 09/05/2013 14:35, Prep Date: 09/05/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		101	80	120

Matrix Spike (MS)

Lab Sample ID: AMN130905.MS3, Parent Sample ID: S57845.01

Run in Batch: AMN130905, Run Date: 09/05/2013 19:24, Prep Date: 09/05/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		97	80	120

Duplicate (DUP)

Lab Sample ID: AMN130905.DP1, Parent Sample ID: S57835.01

Run in Batch: AMN130905, Run Date: 09/05/2013 12:47, Prep Date: 09/05/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Ammonia-N (Undistilled)		2.0	20

Duplicate (DUP)

Lab Sample ID: AMN130905.DP2, Parent Sample ID: S57845.01

Run in Batch: AMN130905, Run Date: 09/05/2013 19:20, Prep Date: 09/05/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Ammonia-N (Undistilled)		1.3	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CN130906-W1

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

Blank (BLK)

Lab Sample ID: CN130906-W1.LRB1

Run in Batch: CN130906-W1, Run Date: 09/06/2013 18:45, Prep Date: 09/06/2013, Matrix: Liquid, Dilution: 1

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

Blank (BLK)

Lab Sample ID: CN130906-W1.LRB2

Run in Batch: CN130906-W1, Run Date: 09/06/2013 23:10, Prep Date: 09/06/2013, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: CN130906-W1.LCS1

Run in Batch: CN130906-W1, Run Date: 09/06/2013 18:51, Prep Date: 09/06/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		97	90	110

Matrix Spike (MS)

Lab Sample ID: CN130906-W1.MS1, Parent Sample ID: S57927.02

Run in Batch: CN130906-W1, Run Date: 09/06/2013 18:57, Prep Date: 09/06/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		92	80	120

Matrix Spike (MS)

Lab Sample ID: CN130906-W1.MS2, Parent Sample ID: S57898.01

Run in Batch: CN130906-W1, Run Date: 09/06/2013 23:20, Prep Date: 09/06/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		88	90	110

Matrix Spike Duplicate (MSD)

Lab Sample ID: CN130906-W1.MSD1, Parent Sample ID: CN130906-W1.MS1

Run in Batch: CN130906-W1, Run Date: 09/06/2013 18:59, Prep Date: 09/06/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Amenable Cyanide		92	80	120	0	15

Matrix Spike Duplicate (MSD)

Lab Sample ID: CN130906-W1.MSD2, Parent Sample ID: CN130906-W1.MS2

Run in Batch: CN130906-W1, Run Date: 09/06/2013 23:22, Prep Date: 09/06/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Amenable Cyanide		90	80	120	2	15

Duplicate (DUP)

Lab Sample ID: CN130906-W1.DP1, Parent Sample ID: S57927.02

Run in Batch: CN130906-W1, Run Date: 09/06/2013 18:55, Prep Date: 09/06/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CN130906-W1 (continued)

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

Duplicate (DUP)

Lab Sample ID: CN130906-W1.DP2, Parent Sample ID: S57898.01

Run in Batch: CN130906-W1, Run Date: 09/06/2013 23:18, Prep Date: 09/06/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

QC Report - Batch QC Results

Inorganics, Prep Batch ID: OGHEX130910W01

Surrogates: No, QC Types: BLK/LCS

Blank (BLK)

Lab Sample ID: OGHEX130910W01.LRB1

Run in Batch: OGHEX130910W01, Run Date: 09/10/2013 17:09, Prep Date: 09/10/2013, 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: OGHEX130910W01.LCS1

Run in Batch: OGHEX130910W01, Run Date: 09/10/2013 17:09, Prep Date: 09/10/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		88	78	114

Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX130910W01.LCS2

Run in Batch: OGHEX130910W01, Run Date: 09/10/2013 17:09, Prep Date: 09/10/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		90	78	114

QC Report - Batch QC Results

Inorganics, Prep Batch ID: PHS130904

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

Blank (BLK)

Lab Sample ID: PHS130904.LRB1

Run in Batch: PHS130904, Run Date: 09/04/2013 12:28, Prep Date: 09/04/2013, Matrix: Liquid, Dilution: 1

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

Blank (BLK)

Lab Sample ID: PHS130904.LRB2

Run in Batch: PHS130904, Run Date: 09/04/2013 12:34, Prep Date: 09/04/2013, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: PHS130904.LCS1

Run in Batch: PHS130904, Run Date: 09/04/2013 13:23, Prep Date: 09/04/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		97	90	110

Matrix Spike (MS)

Lab Sample ID: PHS130904.MS1, Parent Sample ID: S57888.03

Run in Batch: PHS130904, Run Date: 09/04/2013 19:57, Prep Date: 09/04/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		106	80	120

Matrix Spike (MS)

Lab Sample ID: PHS130904.MS2, Parent Sample ID: S57888.04

Run in Batch: PHS130904, Run Date: 09/04/2013 20:02, Prep Date: 09/04/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		99	80	120

Duplicate (DUP)

Lab Sample ID: PHS130904.DP1, Parent Sample ID: S57857.01

Run in Batch: PHS130904, Run Date: 09/04/2013 20:00, Prep Date: 09/04/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Phosphorus		7.3	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: TSS130910

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

Blank (BLK)

Lab Sample ID: TSS130910.LRB1

Run in Batch: TSS130910, Run Date: 09/10/2013 17:00, Prep Date: 09/10/2013, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: TSS130910.LCS1

Run in Batch: TSS130910, Run Date: 09/10/2013 17:00, Prep Date: 09/10/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Suspended Solids		95	74	117

Duplicate (DUP)

Lab Sample ID: TSS130910.DP1, Parent Sample ID: S57917.01

Run in Batch: TSS130910, Run Date: 09/10/2013 17:00, Prep Date: 09/10/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Suspended Solids		2	15

QC Report - Batch QC Results

Metals, Prep Batch ID: HGD-090513-1

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

Laboratory Control Sample (LCS)

Lab Sample ID: HG2-13-0905A.016.LCS

Run in Batch: HG2-13-0905A, Run Date: 09/05/2013 15:34, Prep Date: 09/05/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		102	85	115

Blank (BLK)

Lab Sample ID: HG2-13-0905A.017.LRB

Run in Batch: HG2-13-0905A, Run Date: 09/05/2013 15:36, Prep Date: 09/05/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Mercury		ND	0.03	ug/L

Matrix Spike (MS)

Lab Sample ID: HG2-13-0905A.027.MS, Parent Sample ID: S57911.03

Run in Batch: HG2-13-0905A, Run Date: 09/05/2013 15:56, Prep Date: 09/05/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		98	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-13-0905A.028.MSD, Parent Sample ID: HG2-13-0905A.027.MS

Run in Batch: HG2-13-0905A, Run Date: 09/05/2013 15:58, Prep Date: 09/05/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury		98	80	120	0	20

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-091613-5

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

Laboratory Control Sample (LCS)

Lab Sample ID: MT3-13-0917A.017.LCS

Run in Batch: MT3-13-0917A, Run Date: 09/17/2013 12:49, Prep Date: 09/16/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		107	85	115
Chromium		103	85	115
Copper		104	85	115
Nickel		100	85	115
Zinc		109	85	115

Blank (BLK)

Lab Sample ID: MT3-13-0917A.019.LRB

Run in Batch: MT3-13-0917A, Run Date: 09/17/2013 12:56, Prep Date: 09/16/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Arsenic		ND	0.0004	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: MT3-13-0917A.031.MS, Parent Sample ID: S58031.02

Run in Batch: MT3-13-0917A, Run Date: 09/17/2013 13:36, Prep Date: 09/16/2013, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		110	75	125
Chromium		110	75	125
Copper		105	75	125
Nickel		108	75	125
Zinc		106	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT3-13-0917A.032.MSD, Parent Sample ID: MT3-13-0917A.031.MS

Run in Batch: MT3-13-0917A, Run Date: 09/17/2013 13:39, Prep Date: 09/16/2013, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		110	75	125	1	20
Chromium		113	75	125	2	20
Copper		107	75	125	2	20
Nickel		108	75	125	1	20
Zinc		108	75	125	1	20

Merit

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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 <i>Cliff Yantz / Kevin Schneider</i>			
COMPANY <i>O'Brien & Gere</i>			
ADDRESS <i>37000 Grand River Ave Ste 260</i>			
CITY <i>Farmington Hills</i>		STATE <i>MI</i>	ZIP CODE <i>48335</i>
PHONE NO. <i>248-477-5701</i>	FAX NO.	P.O. NO.	
E-MAIL ADDRESS <i>clifford.yantz@obg.com</i>		QUOTE NO.	

CONTACT NAME <i>[Blank]</i>		☒ SAME	
COMPANY			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.	

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME <i>Coldwater Rd Landfill</i>		SAMPLER(S) - PLEASE PRINT/SIGN NAME <i>Karin Schneider</i>		Special Instructions/Notes: <i>Metals Are: As, Cr, Cu, Hg, Ni, Zn Analysis per City of Flint Permit</i> <i>Field pH: 7.30 Field Temp: 26.4 °C</i>																																															
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER																																																			
DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER																																																			
MATRIX CODE: GW=GROUNDWATER SL=SLUDGE		WW=WASTEWATER O=OIL		S=SOIL A=AIR		L=LIQUID W=WASTE		SD=SOLID M=MISC		# Containers & Preservatives																																									
MERIT LAB NO.		YEAR DATE TIME		SAMPLE TAG IDENTIFICATION-DESCRIPTION		MATRIX		# OF BOTTLES		NONE		HCL		HNO3		H2SO4		NaOH		MeOH		OTHER																													
<i>57917.01</i>		<i>9/4/13 1020</i>		<i>03-PRCL-13</i>		<i>WW</i>		<i>5</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>X X X X X X</i>																											
<i>[Diagonal lines across remaining rows]</i>																																																			

RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE <i>9/4/13</i>	TIME <i>10:45</i>
RECEIVED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE <i>9-4-13</i>	TIME <i>10:45</i>
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE <i>9/4/13</i>	TIME <i>10:45</i>
RECEIVED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE <i>9-4-13</i>	TIME <i>12:15</i>
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
NOTES:		TEMP. ON ARRIVAL <i>55</i>

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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