January 8, 2014

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

RE: ***Discharge Permit Submittal– October 2014 through December 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 October 1, 2014 to December 31, 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.

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: October 1, 2014 through December 31, 2014

Average Volume of Daily Discharge (during reporting period): 2,317 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: Clifford Scott Yantz

Date Signed by Authorized Representative: 1/8/15

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
Fourth 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	**1.7**	**0.02**	**8.6**	**1**	**1**	**1**	**6.38**	**0.01**	**0.05**	**0.01**	**103**	**1**
Test Method	4500-NH3 D		10360		1664A		4500-H+ B		4500-PE		2540 D	
Test Date	18-Dec-14		17-Dec-14		18-Dec-14		15-Dec-14		23-Dec-14		22-Dec-14	
Sample Date	15-Dec-14		15-Dec-14		15-Dec-14		15-Dec-14		15-Dec-14		15-Dec-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.	1.700		8.600		1.000		6.380		0.050		103.000	
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 quanitative 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
Fourth Quarter - 2014
6-08-04-04-GML1

City of Flint Sewer User Self-Monitoring Report Coldwater Road Facility														
Analytical Parameter	**Arsenic**	**QL***	**Chromiun**	**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	**0.007**	**0.002**	**0.029**	**0.005**	**0.383**	**0.004**	**0.000**	**0.0002**	**0.129**	**0.005**	**0.057**	**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	17-Dec-14		17-Dec-14		17-Dec-14		18-Dec-14		17-Dec-14		17-Dec-14		18-Dec-14	
Sample Date	15-Dec-14		15-Dec-14		15-Dec-14		15-Dec-14		15-Dec-14		15-Dec-14		15-Dec-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.	0.007		0.029		0.383		0.000		0.129		0.057		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 quanitative 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
Fourth 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 (C)	(F)	pH
12/28/2014	495,069	497,386	**2,317**	8:40	11:45	12.5	10.2	50.4	7.00

Total Discharge Volume: **2,317**
Average Volume per Discharge: **2,317**

NOTES :

Analytical Laboratory Report

Report ID: S64013.01(01)
Generated on 12/24/2014

Report to

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

Phone: 248-477-5701 FAX: 248-477-5962
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:
Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S64013.01
Project: Coldwater Rd Landfill
Collected Date: 12/15/2014
Submitted Date/Time: 12/15/2014 14:30
Sampled by: Kevin Schneider
P.O. #: 11311200

Maya Murshak
Technical Director

General Report Notes

Results relate only to items tested as received by laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis were applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request.
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 Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods

Method Summary

Method	Version
E1664A	EPA Method 1664 Revision A February 1999
E200.8	EPA Method 200.8 Revision 5.4
E245.1	EPA Method 245.1 Revision 3.0
E335.4/SM4500-CN	EPA Method 335.4 Revision 1.0 / Standard Method 4500-CN E 20th Edition
HACH 10360	HACH 10360
SM2540D	Standard Method 2540 D 20th Edition
SM4500-NH3 D	Standard Method 4500 NH3 D 20th Edition
SM4500-PE	Standard Method 4500 P E 20th Edition
SW3015A	SW 846 Method 3015A Revision 1 February 2007

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S64013.01	04-PRCC-14	Wastewater	12/15/2014 12:20

Analytical Laboratory Report

Lab Sample ID: S64013.01
Sample Tag: 04-PRCC-14
Collected Date/Time: 12/15/2014 12:20
Matrix: Wastewater
COC Reference: 64371

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	None	Yes	5.1	IR
1	32oz Glass	HCL	Yes	5.1	IR
1	125ml Plastic	HNO3	Yes	5.1	IR
1	250ml Plastic	H2SO4	Yes	5.1	IR
1	125ml Plastic	NaOH	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			E245.1	12/18/14 10:50	CCM		
Metal Digestion	Completed			SW3015A	12/17/14 12:00	PER		
Inorganics								
Amenable Cyanide	Not detected	mg/L	0.005	E335.4/SM4500-CN	12/18/14 12:36	JDP	57-12-5AM	1
Ammonia-N (Undistilled)	1.7	mg/L	0.1	SM4500-NH3 D	12/18/14 16:03	MJC	7664-41-7	
Oil & Grease n-Hexane Extract.	1	mg/L	1	E1664A	12/18/14 12:00	RGS		
TBOD5 - Set	Completed	mg/L		HACH 10360	12/17/14 10:20	ASB		
TBOD5	8.6	mg/L	3	HACH 10360	12/22/14 11:05	ASB		
Total Phosphorus	0.05	mg/L	0.01	SM4500-PE	12/23/14 12:59	MJC	7723-14-0	
Total Suspended Solids	103	mg/L	1	SM2540D	12/22/14 20:30	ASB		
Metals								
Arsenic	0.007	mg/L	0.002	E200.8	12/17/14 14:49	PER	7440-38-2	
Chromium	0.029	mg/L	0.005	E200.8	12/17/14 14:49	PER	7440-47-3	
Copper	0.383	mg/L	0.005	E200.8	12/17/14 14:49	PER	7440-50-8	
Mercury	Not detected	mg/L	0.0002	E245.1	12/18/14 14:27	CCM	7439-97-6	
Nickel	0.129	mg/L	0.005	E200.8	12/17/14 14:49	PER	7440-02-0	
Zinc	0.057	mg/L	0.005	E200.8	12/17/14 14:49	PER	7440-66-6	

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

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

64371

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME	Cliff Yantz
COMPANY	O'Brien & Gere
ADDRESS	37000 Grand River Ste 260
CITY	Farmington Hills
STATE	MI
ZIP CODE	48335
PHONE NO.	248-477-5701
FAX NO.	248-477-5962
P.O. NO.	
E-MAIL ADDRESS	Clifford.Yantz@OBG.com
QUOTE NO.	

INVOICE TO

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

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

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES

* Metals Are:
As, Cr, Cu, Hg, Ni, Zn

Analysis Per City of Flint Permit

Field pH: 6.38
Field Temp: 12.2 °C

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	Total Metals *	Amenable Cyanide	BOD/TSS	Ammonia-Nitrogen	total Phosphorus	FOG (Hex-Ext)
640133.01	12/15/14		04-PRCC-14	ww	5	1	1	1	1	1			X	X	X	X	X	X

RELINQUISHED BY: SIGNATURE/ORGANIZATION	O'Brien & Gere	DATE 12/15/14	TIME 1240
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 12-15-14	TIME 1245
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 12/15/14	TIME 1430
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit Dunkman	DATE 12/15/14	TIME 1430
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 5.1
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

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

Quality Control Report

Report ID: QC-S64013.01(01)
Generated on 01/05/2015

Report to

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

Phone: 248-477-5701 FAX: 248-477-5962

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): S64013.01
Project: Coldwater Rd Landfill
Submitted Date/Time: 12/15/2014 14:30
Sampled by: Kevin Schneider
P.O. #: 11311200

Report Sections

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.

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: S64013.01
Sample Tag: 04-PRCC-14
Collected Date/Time: 12/15/2014 12:20
Matrix: Wastewater
COC Reference: 64371

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Amenable Cyanide	E335.4/SM4500-CN	12/18/14 12:36	CN141218-W1	CN141218-W1	No	BLK/LCS/MS/MSD/DUP
Ammonia-N (Undistilled)	SM4500-NH3 D	12/18/14 16:03	AMN141218QC	AMN141218QC	No	BLK/LCS/MS/DUP
Oil & Grease n-Hexane Extract.	E1664A	12/18/14 12:00	OGHEX141218W02	OGHEX141218W02	No	BLK/LCS
Total Phosphorus	SM4500-PE	12/23/14 12:59	PHS141223QC	PHS141223QC	No	BLK/LCS/MS/DUP
Total Suspended Solids	SM2540D	12/22/14 20:30	TSS141222	TSS141222	No	BLK/LCS/DUP
Metals						
Arsenic	E200.8	12/17/14 14:49	MT2-14-1217B	MTD-121714-4	No	LCS/BLK/MS/MSD
Chromium	E200.8	12/17/14 14:49	MT2-14-1217B	MTD-121714-4	No	LCS/BLK/MS/MSD
Copper	E200.8	12/17/14 14:49	MT2-14-1217B	MTD-121714-4	No	LCS/BLK/MS/MSD
Mercury	E245.1	12/18/14 14:27	HG2-14-1218A	HGD-121814-1	No	LCS/BLK/MS/MSD
Nickel	E200.8	12/17/14 14:49	MT2-14-1217B	MTD-121714-4	No	LCS/BLK/MS/MSD
Zinc	E200.8	12/17/14 14:49	MT2-14-1217B	MTD-121714-4	No	LCS/BLK/MS/MSD

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: AMN141218QC

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S64013.01	Ammonia-N (Undistilled)	SM4500-NH3 D	12/18/14 16:03	AMN141218QC

Inorganics, Prep Batch ID: CN141218-W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S64013.01	Amenable Cyanide	E335.4/SM4500-CN	12/18/14 12:36	CN141218-W1

Inorganics, Prep Batch ID: OGHEX141218W02

Surrogates: No, QC Types: BLK/LCS

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S64013.01	Oil & Grease n-Hexane Extract.	E1664A	12/18/14 12:00	OGHEX141218W02

Inorganics, Prep Batch ID: PHS141223QC

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S64013.01	Total Phosphorus	SM4500-PE	12/23/14 12:59	PHS141223QC

Inorganics, Prep Batch ID: TSS141222

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S64013.01	Total Suspended Solids	SM2540D	12/22/14 20:30	TSS141222

Metals, Prep Batch ID: HGD-121814-1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S64013.01	Mercury	E245.1	12/18/14 14:27	HG2-14-1218A

Metals, Prep Batch ID: MTD-121714-4

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S64013.01	Arsenic	E200.8	12/17/14 14:49	MT2-14-1217B
S64013.01	Chromium	E200.8	12/17/14 14:49	MT2-14-1217B
S64013.01	Copper	E200.8	12/17/14 14:49	MT2-14-1217B
S64013.01	Nickel	E200.8	12/17/14 14:49	MT2-14-1217B
S64013.01	Zinc	E200.8	12/17/14 14:49	MT2-14-1217B

Inorganics, Prep Batch ID: AMN141218QC

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

Blank (BLK)

Lab Sample ID: AMN141218QC.LRB1

Run in Batch: AMN141218QC, Run Date: 12/18/2014 11:21, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: AMN141218QC.LCS1

Run in Batch: AMN141218QC, Run Date: 12/18/2014 12:12, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Ammonia-N (Undistilled)		**99**	90	110

Matrix Spike (MS)

Lab Sample ID: AMN141218QC.MS1, Parent Sample ID: S64001.01

Run in Batch: AMN141218QC, Run Date: 12/18/2014 15:25, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Ammonia-N (Undistilled)		**95**	80	120

Duplicate (DUP)

Lab Sample ID: AMN141218QC.DP1, Parent Sample ID: S63949.01

Run in Batch: AMN141218QC, Run Date: 12/18/2014 13:12, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**RPD**	RPD CL
Ammonia-N (Undistilled)		**5.0**	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CN141218-W1

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

Blank (BLK)

Lab Sample ID: CN141218-W1.LRB1

Run in Batch: CN141218-W1, Run Date: 12/18/2014 12:00, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: CN141218-W1.LCS1

Run in Batch: CN141218-W1, Run Date: 12/18/2014 12:06, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Amenable Cyanide		**97**	90	110

Matrix Spike (MS)

Lab Sample ID: CN141218-W1.MS1, Parent Sample ID: S63976.02

Run in Batch: CN141218-W1, Run Date: 12/18/2014 12:16, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Amenable Cyanide		**92**	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: CN141218-W1.MSD1, Parent Sample ID: CN141218-W1.MS1

Run in Batch: CN141218-W1, Run Date: 12/18/2014 12:18, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

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

Duplicate (DUP)

Lab Sample ID: CN141218-W1.DP1, Parent Sample ID: S63976.02

Run in Batch: CN141218-W1, Run Date: 12/18/2014 12:14, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**RPD**	RPD CL
Amenable Cyanide		**<1**	15

Inorganics, Prep Batch ID: OGHEX141218W02

Surrogates: No, QC Types: BLK/LCS

Blank (BLK)

Lab Sample ID: OGHEX141218W02.LRB1

Run in Batch: OGHEX141218W02, Run Date: 12/18/2014 12:00, Prep Date: 12/18/2014, 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: OGHEX141218W02.LCS1

Run in Batch: OGHEX141218W02, Run Date: 12/18/2014 12:00, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX141218W02.LCS2

Run in Batch: OGHEX141218W02, Run Date: 12/18/2014 12:00, Prep Date: 12/18/2014, 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: PHS141223QC

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

Blank (BLK)

Lab Sample ID: PHS141223QC.LRB1

Run in Batch: PHS141223QC, Run Date: 12/23/2014 11:42, Prep Date: 12/23/2014, Matrix: Liquid, Dilution: 1

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

Blank (BLK)

Lab Sample ID: PHS141223QC.LRB2

Run in Batch: PHS141223QC, Run Date: 12/23/2014 11:49, Prep Date: 12/23/2014, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: PHS141223QC.LCS1

Run in Batch: PHS141223QC, Run Date: 12/23/2014 11:56, Prep Date: 12/23/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Total Phosphorus		**99**	90	110

Matrix Spike (MS)

Lab Sample ID: PHS141223QC.MS1, Parent Sample ID: S64013.01

Run in Batch: PHS141223QC, Run Date: 12/23/2014 17:52, Prep Date: 12/23/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Total Phosphorus		**94**	80	120

Duplicate (DUP)

Lab Sample ID: PHS141223QC.DP1, Parent Sample ID: S64023.01

Run in Batch: PHS141223QC, Run Date: 12/23/2014 17:48, Prep Date: 12/23/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**RPD**	RPD CL
Total Phosphorus		**2.0**	20

Inorganics, Prep Batch ID: TSS141222

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

Blank (BLK)

Lab Sample ID: TSS141222.LRB1

Run in Batch: TSS141222, Run Date: 12/22/2014 20:30, Prep Date: 12/22/2014, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: TSS141222.LCS1

Run in Batch: TSS141222, Run Date: 12/22/2014 20:30, Prep Date: 12/22/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Total Suspended Solids		**109**	65	125

Duplicate (DUP)

Lab Sample ID: TSS141222.DP1, Parent Sample ID: S64025.01

Run in Batch: TSS141222, Run Date: 12/22/2014 20:30, Prep Date: 12/22/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**RPD**	RPD CL
Total Suspended Solids		**3.6**	5

Metals, Prep Batch ID: HGD-121814-1

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

Laboratory Control Sample (LCS)

Lab Sample ID: HG2-14-1218A.015.LCS

Run in Batch: HG2-14-1218A, Run Date: 12/18/2014 13:52, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Mercury		**97**	85	115

Blank (BLK)

Lab Sample ID: HG2-14-1218A.016.LRB

Run in Batch: HG2-14-1218A, Run Date: 12/18/2014 13:54, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**Conc**	RDL	Units
Mercury		**ND**	0.03	ug/L

Matrix Spike (MS)

Lab Sample ID: HG2-14-1218A.027.MS, Parent Sample ID: S64013.01

Run in Batch: HG2-14-1218A, Run Date: 12/18/2014 14:29, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Mercury		**91**	80	120

Matrix Spike (MS)

Lab Sample ID: HG2-14-1218A.038.MS, Parent Sample ID: S64025.01

Run in Batch: HG2-14-1218A, Run Date: 12/18/2014 14:54, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Mercury		**89**	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-14-1218A.028.MSD, Parent Sample ID: HG2-14-1218A.027.MS

Run in Batch: HG2-14-1218A, Run Date: 12/18/2014 14:31, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Mercury		**93**	80	120	**2**	20

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-14-1218A.039.MSD, Parent Sample ID: HG2-14-1218A.038.MS

Run in Batch: HG2-14-1218A, Run Date: 12/18/2014 14:56, Prep Date: 12/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Mercury		**88**	80	120	**1**	20

Metals, Prep Batch ID: MTD-121714-4

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

Laboratory Control Sample (LCS)

Lab Sample ID: MT2-14-1217B.057.LCS

Run in Batch: MT2-14-1217B, Run Date: 12/17/2014 14:05, Prep Date: 12/17/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		**100**	85	115
Chromium		**106**	85	115
Copper		**97**	85	115
Nickel		**97**	85	115
Zinc		**97**	85	115

Blank (BLK)

Lab Sample ID: MT2-14-1217B.058.LRB

Run in Batch: MT2-14-1217B, Run Date: 12/17/2014 14:29, Prep Date: 12/17/2014, 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: MT2-14-1217B.065.MS, Parent Sample ID: S64004.24

Run in Batch: MT2-14-1217B, Run Date: 12/17/2014 14:53, Prep Date: 12/17/2014, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		**104**	75	125
Chromium		**107**	75	125
Copper		**97**	75	125
Nickel		**98**	75	125
Zinc		**103**	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT2-14-1217B.066.MSD, Parent Sample ID: MT2-14-1217B.065.MS

Run in Batch: MT2-14-1217B, Run Date: 12/17/2014 14:55, Prep Date: 12/17/2014, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		**105**	75	125	**2**	20
Chromium		**108**	75	125	**1**	20
Copper		**96**	75	125	**2**	20
Nickel		**97**	75	125	**1**	20
Zinc		**102**	75	125	**1**	20

Merit Laboratories, Inc.

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www.meritlabs.com

C.O.C. PAGE # 1 OF 1

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CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME	Cliff Yantz
COMPANY	O'Brien & Gere
ADDRESS	37000 Grand River Ste 260
CITY	Farmington Hills
STATE	MI
ZIP CODE	48335
PHONE NO.	248-477-5701
FAX NO.	248-477-5962
P.O. NO.	
E-MAIL ADDRESS	Clifford.Yantz@OBG.com
QUOTE NO.	

INVOICE TO

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

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

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES

* Metals Are:
As, Cr, Cu, Hg, Ni, Zn

Analysis Per City of Flint Permit

Field pH: 6.38
Field Temp: 12.2 °C

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	Total Metals *	Amenable Cyanide	BOD/TSS	Ammonia-Nitrogen	total Phosphorus	FOG (Hex-Ext)
640133.01	12/15/14		04-PRCC-14	ww	5	1	1	1	1	1			X	X	X	X	X	X

RELINQUISHED BY: SIGNATURE/ORGANIZATION	O'Brien & Gere	DATE 12/15/14	TIME 1240
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 12-15-14	TIME 1245
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 12/15/14	TIME 1430
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit Dunkman	DATE 12/15/14	TIME 1430
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 5.1
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

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