April 28, 2016

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

RE: ***Discharge Permit Submittal–January 2016 through March 2016***
Permit No.: 6-08-04-04-GML1

FILE: 15388/60794/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, 2016 to March 31, 2016 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 17, 2016
- 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 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

I:\Racer-Trust.15388\62658.Coldwater-Rd-Lf\Docs\Reports\PRCC\1st Qrt - March\PRCC Cover Letter Qtr1 2016.docx

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, 2016 through March 31, 2016

Average Volume of Daily Discharge (during reporting period): 3,099.5 gallons.
(Two 1 day events)

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 Yantz

Date Signed by Authorized Representative: 4/28/16

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 - 2016
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	**0.05**	**0.02**	**0.00**	**1**	**0.00**	**1**	**6.95**	**0.01**	**0.03**	**0.01**	**8**	**1**
Test Method	4500-NH3 D		10360		1664A		4500-H+ B		4500-PE		2540 D	
Test Date	23-Mar-16		18-Mar-16		17-Mar-16		17-Mar-16		17-Mar-16		23-Mar-16	
Sample Date	17-Mar-16		17-Mar-16		17-Mar-16		17-Mar-16		17-Mar-16		17-Mar-16	
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.	0.050		0.000		0.000		6.950		0.030		8.000	
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
First Quarter - 2016
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	**0.000**	**0.002**	**0.060**	**0.005**	**0.174**	**0.004**	**0.000**	**0.0002**	**0.068**	**0.005**	**0.053**	**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	29-Mar-16		29-Mar-16		29-Mar-16		18-Mar-16		29-Mar-16		29-Mar-16		22-Mar-16	
Sample Date	17-Mar-16		17-Mar-16		17-Mar-16		17-Mar-16		17-Mar-16		17-Mar-16		17-Mar-16	
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.	0.000		0.060		0.174		0.000		0.068		0.053		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
First Quarter - 2016
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
2/29/2016	508,683	512,991	**4,308**	8:30	11:00	28.7	10.0	50.0	6.76
3/31/2016	512,991	514,882	**1,891**	9:30	11:00	21.0	12.4	54.3	7.88

Total Discharge Volume: 6,199

NOTES :

Analytical Laboratory Report

Report ID: S72172.01(01)
Generated on 03/29/2016

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

Addtional 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): S72172.01
Project: RACER Coldwater Rd Landfill
Collected Date: 03/17/2016
Submitted Date/Time: 03/17/2016 13:30
Sampled by: Kevin Schneider
P.O. #: N/A

Table of Contents

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 where 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
S72172.01	01-PRCC-16	Wastewater	03/17/16 11:45

Analytical Laboratory Report

Lab Sample ID: S72172.01
Sample Tag: 01-PRCC-16
Collected Date/Time: 03/17/2016 11:45
Matrix: Wastewater
COC Reference: 100465

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	None	Yes	5.6	IR
1	125ml Plastic	NaOH	Yes	5.6	IR
1	125ml Plastic	HNO3	Yes	5.6	IR
1	250ml Plastic	H2SO4	Yes	5.6	IR
1	32oz Glass	HCL	Yes	5.6	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			E245.1	03/18/16 09:30	RGS		
Metal Digestion	Completed			SW3015A	03/29/16 10:45	CCM		
Inorganics								
Amenable Cyanide	Not detected	mg/L	0.005	E335.4/SM4500-CN	03/22/16 10:54	JDP	57-12-5AM	1
Ammonia-N (Undistilled)	0.05	mg/L	0.02	SM4500-NH3 D	03/23/16 13:16	MJC	7664-41-7	
Oil & Grease n-Hexane Extract.	Not detected	mg/L	1	E1664A	03/17/16 18:00	PLB		
TBOD5 - Set	Completed	mg/L		HACH 10360	03/18/16 15:00	ASB		
TBOD5	Not detected	mg/L	3	HACH 10360	03/23/16 15:30	ASB		
Total Phosphorus	0.03	mg/L	0.01	SM4500-PE	03/17/16 20:05	MJC	7723-14-0	
Total Suspended Solids	8	mg/L	3	SM2540D	03/23/16 12:25	ASB		
Metals								
Arsenic	Not detected	mg/L	0.002	E200.8	03/29/16 12:26	CCM	7440-38-2	
Chromium	0.060	mg/L	0.005	E200.8	03/29/16 12:26	CCM	7440-47-3	
Copper	0.174	mg/L	0.005	E200.8	03/29/16 12:26	CCM	7440-50-8	
Mercury	Not detected	mg/L	0.0002	E245.1	03/18/16 12:40	RGS	7439-97-6	
Nickel	0.068	mg/L	0.005	E200.8	03/29/16 12:26	CCM	7440-02-0	
Zinc	0.053	mg/L	0.005	E200.8	03/29/16 12:26	CCM	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) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

100465

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Cliff Yantz / Kevin Schneider
COMPANY: OBG
ADDRESS: 37000 Grand River 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.:

INVOICE TO

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

PROJECT NO./NAME: RACER 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

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	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)
72172.01	3/17/16	1145	01 - PRCC-16	ww	5	1	1	1	1	1			X	X	X	X	X	X

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

Analysis per City of Flint Permit

Field pH : 6.95
Field Temp: 11.8

RELINQUISHED BY: SIGNATURE/ORGANIZATION	OBG X Sampler	DATE 3/17/16	TIME 1214
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 3/17/16	TIME 12:14
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 3/17/16	TIME 13:30
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 3/17/16	TIME 13:30

RELINQUISHED BY: SIGNATURE/ORGANIZATION			DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE	TIME
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 5.6	
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS		

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

Rev. 5.18.12

Quality Control Report

Report ID: QC-S72172.01(01)
Generated on 04/04/2016

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): S72172.01
Project: RACER Coldwater Rd Landfill
Submitted Date/Time: 03/17/2016 13:30
Sampled by: Kevin Schneider
P.O. #: N/A

QC Report Sections

Report Flag Descriptions

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

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball

Barbara Ball
Quality Assurance Manager

Lab Sample ID: S72172.01
Sample Tag: 01-PRCC-16
Collected Date/Time: 03/17/2016 11:45
Matrix: Wastewater
COC Reference: 100465

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Amenable Cyanide	E335.4/SM4500-CN	03/22/16 10:54	CN160322-W1	CN160322-W1	No	BLK/LCS/MS/MSD/DUP
Ammonia-N (Undistilled)	SM4500-NH3 D	03/23/16 13:16	AMN160323QC	AMN160323QC	No	BLK/LCS/MS/MSD/DUP
Oil & Grease n-Hexane Extract.	E1664A	03/17/16 18:00	OGHEX160317W01	OGHEX160317W01	No	BLK/LCS
Total Phosphorus	SM4500-PE	03/17/16 20:05	PHS160317QC	PHS160317QC	No	BLK/LCS/MS/DUP
Total Suspended Solids	SM2540D	03/23/16 12:25	TSS160323	TSS160323	No	BLK/LCS/DUP
Metals						
Arsenic	E200.8	03/29/16 12:26	MT2-16-0329B	MTD-032916-5	No	LCS/BLK/MS/MSD
Chromium	E200.8	03/29/16 12:26	MT2-16-0329B	MTD-032916-5	No	LCS/BLK/MS/MSD
Copper	E200.8	03/29/16 12:26	MT2-16-0329B	MTD-032916-5	No	LCS/BLK/MS/MSD
Mercury	E245.1	03/18/16 12:40	HG2-16-0318A	HGD-031816-1	No	LCS/BLK/MS/MSD
Nickel	E200.8	03/29/16 12:26	MT2-16-0329B	MTD-032916-5	No	LCS/BLK/MS/MSD
Zinc	E200.8	03/29/16 12:26	MT2-16-0329B	MTD-032916-5	No	LCS/BLK/MS/MSD

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: AMN160323QC

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S72172.01	Ammonia-N (Undistilled)	SM4500-NH3 D	03/23/16 13:16	AMN160323QC

Inorganics, Prep Batch ID: CN160322-W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S72172.01	Amenable Cyanide	E335.4/SM4500-CN	03/22/16 10:54	CN160322-W1

Inorganics, Prep Batch ID: OGHEX160317W01

Surrogates: No, QC Types: BLK/LCS

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S72172.01	Oil & Grease n-Hexane Extract.	E1664A	03/17/16 18:00	OGHEX160317W01

Inorganics, Prep Batch ID: PHS160317QC

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S72172.01	Total Phosphorus	SM4500-PE	03/17/16 20:05	PHS160317QC

Inorganics, Prep Batch ID: TSS160323

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S72172.01	Total Suspended Solids	SM2540D	03/23/16 12:25	TSS160323

Metals, Prep Batch ID: HGD-031816-1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S72172.01	Mercury	E245.1	03/18/16 12:40	HG2-16-0318A

Metals, Prep Batch ID: MTD-032916-5

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S72172.01	Arsenic	E200.8	03/29/16 12:26	MT2-16-0329B
S72172.01	Chromium	E200.8	03/29/16 12:26	MT2-16-0329B
S72172.01	Copper	E200.8	03/29/16 12:26	MT2-16-0329B
S72172.01	Nickel	E200.8	03/29/16 12:26	MT2-16-0329B
S72172.01	Zinc	E200.8	03/29/16 12:26	MT2-16-0329B

Inorganics, Prep Batch ID: AMN160323QC

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

Blank (BLK)

Lab Sample ID: AMN160323QC.LRB1

Run in Batch: AMN160323QC, Run Date: 03/23/2016 10:41, Prep Date: 03/23/2016, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: AMN160323QC.LCS1

Run in Batch: AMN160323QC, Run Date: 03/23/2016 11:24, Prep Date: 03/23/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Ammonia-N (Undistilled)		**108**	90	110

Matrix Spike (MS)

Lab Sample ID: AMN160323QC.MS1, Parent Sample ID: S72139.01

Run in Batch: AMN160323QC, Run Date: 03/23/2016 11:59, Prep Date: 03/23/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Ammonia-N (Undistilled)		**98**	80	120

Matrix Spike (MS)

Lab Sample ID: AMN160323QC.MS2, Parent Sample ID: S72140.01

Run in Batch: AMN160323QC, Run Date: 03/23/2016 18:36, Prep Date: 03/23/2016, Matrix: Solid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Ammonia-N (Undistilled)		**96**	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: AMN160323QC.MSD1, Parent Sample ID: AMN160323QC.MS1

Run in Batch: AMN160323QC, Run Date: 03/23/2016 12:13, Prep Date: 03/23/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Ammonia-N (Undistilled)		**97**	80	120	**1**	15

Duplicate (DUP)

Lab Sample ID: AMN160323QC.DP1, Parent Sample ID: S72139.01

Run in Batch: AMN160323QC, Run Date: 03/23/2016 12:09, Prep Date: 03/23/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**RPD**	RPD CL
Ammonia-N (Undistilled)		**2.3**	20

Duplicate (DUP)

Lab Sample ID: AMN160323QC.DP2, Parent Sample ID: S72150.01

Run in Batch: AMN160323QC, Run Date: 03/23/2016 19:05, Prep Date: 03/23/2016, Matrix: Solid, Dilution: 1

Analyte	Flags	**RPD**	RPD CL
Ammonia-N (Undistilled)		**12.6**	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CN160322-W1

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

Blank (BLK)

Lab Sample ID: CN160322-W1.LRB1

Run in Batch: CN160322-W1, Run Date: 03/22/2016 10:30, Prep Date: 03/22/2016, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: CN160322-W1.LCS1

Run in Batch: CN160322-W1, Run Date: 03/22/2016 10:36, Prep Date: 03/22/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Amenable Cyanide		**102**	90	110

Matrix Spike (MS)

Lab Sample ID: CN160322-W1.MS1, Parent Sample ID: S72161.01

Run in Batch: CN160322-W1, Run Date: 03/22/2016 10:42, Prep Date: 03/22/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Amenable Cyanide		**93**	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: CN160322-W1.MSD1, Parent Sample ID: CN160322-W1.MS1

Run in Batch: CN160322-W1, Run Date: 03/22/2016 10:44, Prep Date: 03/22/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Amenable Cyanide		**93**	80	120	**0**	15

Duplicate (DUP)

Lab Sample ID: CN160322-W1.DP1, Parent Sample ID: S72161.01

Run in Batch: CN160322-W1, Run Date: 03/22/2016 10:40, Prep Date: 03/22/2016, Matrix: Liquid, Dilution: 1

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

Inorganics, Prep Batch ID: OGHEX160317W01

Surrogates: No, QC Types: BLK/LCS

Blank (BLK)

Lab Sample ID: OGHEX160317W01.LRB1

Run in Batch: OGHEX160317W01, Run Date: 03/17/2016 12:46, Prep Date: 03/17/2016, 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: OGHEX160317W01.LCS1

Run in Batch: OGHEX160317W01, Run Date: 03/17/2016 12:46, Prep Date: 03/17/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Oil & Grease n-Hexane Extract.		**96**	78	114

Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX160317W01.LCS2

Run in Batch: OGHEX160317W01, Run Date: 03/17/2016 12:46, Prep Date: 03/17/2016, Matrix: Liquid, Dilution: 1

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

Inorganics, Prep Batch ID: PHS160317QC

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

Blank (BLK)

Lab Sample ID: PHS160317QC.LRB1

Run in Batch: PHS160317QC, Run Date: 03/17/2016 12:14, Prep Date: 03/17/2016, Matrix: Liquid, Dilution: 1

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

Blank (BLK)

Lab Sample ID: PHS160317QC.LRB2

Run in Batch: PHS160317QC, Run Date: 03/17/2016 12:20, Prep Date: 03/17/2016, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: PHS160317QC.LCS1

Run in Batch: PHS160317QC, Run Date: 03/17/2016 12:27, Prep Date: 03/17/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Total Phosphorus		**103**	90	110

Matrix Spike (MS)

Lab Sample ID: PHS160317QC.MS1, Parent Sample ID: S72166.01

Run in Batch: PHS160317QC, Run Date: 03/17/2016 20:17, Prep Date: 03/17/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Total Phosphorus		**98**	80	120

Duplicate (DUP)

Lab Sample ID: PHS160317QC.DP1, Parent Sample ID: S72178.01

Run in Batch: PHS160317QC, Run Date: 03/17/2016 20:14, Prep Date: 03/17/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**RPD**	RPD CL
Total Phosphorus		**2.7**	20

Inorganics, Prep Batch ID: TSS160323

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

Blank (BLK)

Lab Sample ID: TSS160323.LRB1

Run in Batch: TSS160323, Run Date: 03/23/2016 12:25, Prep Date: 03/23/2016, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: TSS160323.LCS1

Run in Batch: TSS160323, Run Date: 03/23/2016 12:25, Prep Date: 03/23/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Total Suspended Solids		**100**	81.4	111

Duplicate (DUP)

Lab Sample ID: TSS160323.DP1, Parent Sample ID: S72151.01

Run in Batch: TSS160323, Run Date: 03/23/2016 12:25, Prep Date: 03/23/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**RPD**	RPD CL
Total Suspended Solids	*	**6.8**	5

Metals, Prep Batch ID: HGD-031816-1

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

Laboratory Control Sample (LCS)

Lab Sample ID: HG2-16-0318A.015.LCS

Run in Batch: HG2-16-0318A, Run Date: 03/18/2016 12:02, Prep Date: 03/18/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Mercury		**100**	85	115

Blank (BLK)

Lab Sample ID: HG2-16-0318A.016.LRB

Run in Batch: HG2-16-0318A, Run Date: 03/18/2016 12:04, Prep Date: 03/18/2016, Matrix: Liquid, Dilution: 1

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

Matrix Spike (MS)

Lab Sample ID: HG2-16-0318A.027.MS, Parent Sample ID: S72169.01

Run in Batch: HG2-16-0318A, Run Date: 03/18/2016 12:26, Prep Date: 03/18/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Mercury		**101**	75	125

Matrix Spike (MS)

Lab Sample ID: HG2-16-0318A.041.MS, Parent Sample ID: S72188.01

Run in Batch: HG2-16-0318A, Run Date: 03/18/2016 12:54, Prep Date: 03/18/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL
Mercury		**97**	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-16-0318A.028.MSD, Parent Sample ID: HG2-16-0318A.027.MS

Run in Batch: HG2-16-0318A, Run Date: 03/18/2016 12:28, Prep Date: 03/18/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Mercury		**101**	75	125	**0**	20

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-16-0318A.042.MSD, Parent Sample ID: HG2-16-0318A.041.MS

Run in Batch: HG2-16-0318A, Run Date: 03/18/2016 12:56, Prep Date: 03/18/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Mercury		**99**	75	125	**2**	20

Metals, Prep Batch ID: MTD-032916-5

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

Laboratory Control Sample (LCS)

Lab Sample ID: MT2-16-0329B.020.LCS

Run in Batch: MT2-16-0329B, Run Date: 03/29/2016 11:59, Prep Date: 03/29/2016, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		**95**	85	115
Chromium		**96**	85	115
Copper		**94**	85	115
Nickel		**95**	85	115
Zinc		**94**	85	115

Blank (BLK)

Lab Sample ID: MT2-16-0329B.022.LRB

Run in Batch: MT2-16-0329B, Run Date: 03/29/2016 12:05, Prep Date: 03/29/2016, 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: MT2-16-0329B.034.MS, Parent Sample ID: S72361.04

Run in Batch: MT2-16-0329B, Run Date: 03/29/2016 12:50, Prep Date: 03/29/2016, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		**105**	75	125
Chromium		**102**	75	125
Copper		**102**	75	125
Nickel		**104**	75	125
Zinc		**103**	75	125

Matrix Spike (MS)

Lab Sample ID: MT2-16-0329B.049.MS, Parent Sample ID: S72434.01

Run in Batch: MT2-16-0329B, Run Date: 03/29/2016 13:29, Prep Date: 03/29/2016, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		**105**	75	125
Chromium		**103**	75	125
Copper		**102**	75	125
Nickel		**101**	75	125
Zinc		**102**	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT2-16-0329B.035.MSD, Parent Sample ID: MT2-16-0329B.034.MS

Run in Batch: MT2-16-0329B, Run Date: 03/29/2016 12:52, Prep Date: 03/29/2016, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		**102**	75	125	**2**	20
Chromium		**103**	75	125	**1**	20
Copper		**101**	75	125	**1**	20
Nickel		**102**	75	125	**2**	20
Zinc		**103**	75	125	**0**	20

Metals, Prep Batch ID: MTD-032916-5 (continued)

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

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT2-16-0329B.050.MSD, Parent Sample ID: MT2-16-0329B.049.MS

Run in Batch: MT2-16-0329B, Run Date: 03/29/2016 13:31, Prep Date: 03/29/2016, Matrix: Liquid, Dilution: 5

Analyte	Flags	**% Rec**	LCL	UCL	**RPD**	RPD CL
Arsenic		**107**	75	125	**2**	20
Chromium		**104**	75	125	**1**	20
Copper		**102**	75	125	**0**	20
Nickel		**104**	75	125	**3**	20
Zinc		**102**	75	125	**0**	20

Merit Laboratories, Inc.

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C.O.C. PAGE # 1 OF 1

100465

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Cliff Yantz / Kevin Schneider
COMPANY: OBG
ADDRESS: 37000 Grand River 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.:

INVOICE TO

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

PROJECT NO./NAME: RACER 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

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	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)
72172.01	3/17/16	1145	01 - PRCC-16	ww	5	1	1	1	1	1			X	X	X	X	X	X

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

Analysis per City of Flint Permit

Field pH : 6.95
Field Temp: 11.8

RELINQUISHED BY: SIGNATURE/ORGANIZATION	OBG X Sampler	DATE 3/17/16	TIME 1214
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 3/17/16	TIME 12:14
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 3/17/16	TIME 13:30
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 3/17/16	TIME 13:30

RELINQUISHED BY: SIGNATURE/ORGANIZATION			DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE	TIME
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 5.6	
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS		

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

Rev. 5.18.12