



October 27, 2015

Mr. Tom Hutchings

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

RE: **Discharge Permit Submittal-July 2015 through September 2015**
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 July 1, 2015 to September 30, 2015 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 August 25, 2015
- 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, 2015 through September 30, 2015

Average Volume of Daily Discharge (during reporting period): 3,036 gallons.
(1 day)

Complete the following:

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

Name of Authorized Representative: Clifford Yantz

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

Signature of Authorized Representative: 

Date Signed by Authorized Representative: 10/27/15

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
Third Quarter - 2015
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	0.03	0.02	0.000	1	0.000	1	6.02	0.01	0.02	0.01	24	1
Test Method	4500-NH3 D		10360		1664A		4500-H+ B		4500-PE		2540 D	
Test Date	27-Aug-15		31-Aug-15		31-Aug-15		25-Aug-15		30-Aug-15		26-Aug-15	
Sample Date	25-Aug-15		25-Aug-15		25-Aug-15		25-Aug-15		25-Aug-15		25-Aug-15	
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.	0.030		0.000		0.000		6.020		0.020		24.000	
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 - 2015
6-08-04-04-GML1**

City of Flint Sewer User Self-Monitoring Report Coldwater Road Facility														
Analytical Parameter	Arsenic	QL*	Chromium	QL*	Copper	QL*	Mercury	QL*	Nickel	QL*	Zinc	QL*	Amenable Cyanide	QL*
Units	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
Sampling Frequency	Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.	
Daily Maximum Limit	0.048		0.319		3.12		0.000012		0.795		0.445		N/A	
Maximum Limit	N/A		N/A		N/A		N/A		N/A		N/A		0.087	
Minimum Limit	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Monthly Average Limit	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Test Result	0.002	0.002	0.018	0.005	0.175	0.004	0.000	0.0002	0.047	0.005	0.051	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	01-Sep-15		01-Sep-15		01-Sep-15		31-Aug-15		01-Sep-15		01-Sep-15		27-Aug-15	
Sample Date	25-Aug-15		25-Aug-15		25-Aug-15		25-Aug-15		25-Aug-15		25-Aug-15		25-Aug-15	
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.	0.002		0.018		0.175		0.000		0.047		0.051		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
Third Quarter - 2015
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)	
9/2/2015	503,717	506,753	3,036	11:02	14:08	16.3	24.9	76.8	7.03

Total Discharge Volume: 3,036

NOTES :



Analytical Laboratory Report

Report ID: S67737.01(01)
Generated on 09/01/2015

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
Email: Clifford.Yantz@obg.com

Additional Contacts: Kevin Schneider

Report produced by

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

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

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

Report Summary

Lab Sample ID(s): S67737.01
Project: Coldwater Rd Landfill
Collected Date: 08/25/2015
Submitted Date/Time: 08/25/2015 13:50
Sampled by: Kevin Schneider
P.O. #: 60794 001.100

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Maya Murshak
Technical Director



Analytical Laboratory Report

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 shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Report Narrative

There is no additional narrative for this analytical report



Analytical Laboratory 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



Analytical Laboratory Report

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



Analytical Laboratory Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S67737.01	03-PRCC-15	Wastewater	08/25/15 10:55



Analytical Laboratory Report

Lab Sample ID: S67737.01
 Sample Tag: 03-PRCC-15
 Collected Date/Time: 08/25/2015 10:55
 Matrix: Wastewater
 COC Reference: 82411

Sample Containers

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

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			E245.1	08/31/15 12:00	RGS		
Metal Digestion	Completed			SW3015A	09/01/15 10:00	CCM		
Inorganics								
Amenable Cyanide	Not detected	mg/L	0.005	E335.4/SM4500-CN	08/27/15 12:22	JDP	57-12-5AM	1
Ammonia-N (Undistilled)	0.03	mg/L	0.02	SM4500-NH3 D	08/27/15 15:51	MJC	7664-41-7	
Oil & Grease n-Hexane Extract.	Not detected	mg/L	1	E1664A	08/31/15 14:25	ADB		
TBOD5 - Set	Completed	mg/L		HACH 10360	08/26/15 08:00	ASB		
TBOD5	Not detected	mg/L	3	HACH 10360	08/31/15 12:15	ASB		
Total Phosphorus	0.02	mg/L	0.01	SM4500-PE	08/30/15 12:59	MJC	7723-14-0	
Total Suspended Solids	24	mg/L	1	SM2540D	08/26/15 14:00	ASB		
Metals								
Arsenic	0.002	mg/L	0.002	E200.8	09/01/15 14:05	CCM	7440-38-2	
Chromium	0.018	mg/L	0.005	E200.8	09/01/15 14:05	CCM	7440-47-3	
Copper	0.175	mg/L	0.005	E200.8	09/01/15 14:05	CCM	7440-50-8	
Mercury	Not detected	mg/L	0.0002	E245.1	08/31/15 19:44	CCM	7439-97-6	
Nickel	0.047	mg/L	0.005	E200.8	09/01/15 14:05	CCM	7440-02-0	
Zinc	0.051	mg/L	0.005	E200.8	09/01/15 14:05	CCM	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

82411

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Clifford 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.: 248-477-5962 P.O. NO.: 60794 001.100
 E-MAIL ADDRESS: Clifford.Yantz@obg.com QUOTE NO.: 11510269

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

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: Coldwater Rd Landfill SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER 1 week
 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=WIFE A=AIR W=WASTE

Containers & Preservatives
 Total Metals: X
 Amenable Cyanide: XX
 BOD/TSS: X
 Ammonia - Nitrogen: X
 Total Phosphorus: X
 FOG (Hex-Ext): X
 Certifications: OHIO VAP Drinking Water
 DoD NPDES
 Project Locations: Detroit New York
 Other

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)	Certifications	Project Locations	Special Instructions
	DATE	TIME																			
<u>67737.01</u>	<u>8/25/15</u>	<u>1055</u>	<u>03-PRCC-15</u>	<u>ww</u>	<u>5</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>			<u>X</u>	<u>XX</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>*Metals: AS, Cr, Cu Hg, Ni, Zn</u>
																					<u>Analysis Per City of Flint Permit</u>
																					<u>Field PH: 6.02 Field Temp: 24.3</u>

RELINQUISHED BY: [Signature] OBG Sampler DATE: 8/25/15 TIME: 1110
 RECEIVED BY: [Signature] DATE: 8-25-15 TIME: 1110
 RELINQUISHED BY: DATE: TIME:
 RECEIVED BY: DATE: TIME:

RELINQUISHED BY: [Signature] DATE: 8/25/15 TIME: 1350
 RECEIVED BY: [Signature] DATE: 8/25/15 TIME: 1350
 SEAL NO. SEAL INTACT INITIALS NOTES: TEMP. ON ARRIVAL 5.5
 YES NO
 SEAL NO. SEAL INTACT INITIALS
 YES NO



Quality Control Report

Report ID: QC-S67737.01(01)
Generated on 09/03/2015

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): S67737.01
Project: Coldwater Rd Landfill
Submitted Date/Time: 08/25/2015 13:50
Sampled by: Kevin Schneider
P.O. #: 60794 001.100

QC 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

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
Quality Assurance Manager

QC Report - Analysis Summary

Lab Sample ID: S67737.01

Sample Tag: 03-PRCC-15

Collected Date/Time: 08/25/2015 10:55

Matrix: Wastewater

COC Reference: 82411

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
<i>Inorganics</i>						
Amenable Cyanide	E335.4/SM4500-CN	08/27/15 12:22	CN150827-W1	CN150827-W1	No	BLK/LCS/MS/MSD/DUP
Ammonia-N (Undistilled)	SM4500-NH3 D	08/27/15 15:51	AMN150827QC	AMN150827QC	No	BLK/LCS/MS/DUP
Oil & Grease n-Hexane Extract.	E1664A	08/31/15 14:25	OGHEX150831W01	OGHEX150831W01	No	BLK/LCS
Total Phosphorus	SM4500-PE	08/30/15 12:59	PHS150830QC	PHS150830QC	No	BLK/LCS/MS/DUP
Total Suspended Solids	SM2540D	08/26/15 14:00	TSS150826	TSS150826	No	BLK/LCS/DUP
<i>Metals</i>						
Arsenic	E200.8	09/01/15 14:05	MT3-15-0901A	MTD-090115-2	No	LCS/BLK/MS/MSD
Chromium	E200.8	09/01/15 14:05	MT3-15-0901A	MTD-090115-2	No	LCS/BLK/MS/MSD
Copper	E200.8	09/01/15 14:05	MT3-15-0901A	MTD-090115-2	No	LCS/BLK/MS/MSD
Mercury	E245.1	08/31/15 19:44	HG2-15-0831A	HGD-083115-5	No	LCS/BLK/MS/MSD
Nickel	E200.8	09/01/15 14:05	MT3-15-0901A	MTD-090115-2	No	LCS/BLK/MS/MSD
Zinc	E200.8	09/01/15 14:05	MT3-15-0901A	MTD-090115-2	No	LCS/BLK/MS/MSD

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: AMN150827QC

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S67737.01	Ammonia-N (Undistilled)	SM4500-NH3 D	08/27/15 15:51	AMN150827QC

Inorganics, Prep Batch ID: CN150827-W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S67737.01	Amenable Cyanide	E335.4/SM4500-CN	08/27/15 12:22	CN150827-W1

Inorganics, Prep Batch ID: OGHEX150831W01

Surrogates: No, QC Types: BLK/LCS

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S67737.01	Oil & Grease n-Hexane Extract.	E1664A	08/31/15 14:25	OGHEX150831W01

Inorganics, Prep Batch ID: PHS150830QC

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S67737.01	Total Phosphorus	SM4500-PE	08/30/15 12:59	PHS150830QC

Inorganics, Prep Batch ID: TSS150826

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S67737.01	Total Suspended Solids	SM2540D	08/26/15 14:00	TSS150826

Metals, Prep Batch ID: HGD-083115-5

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S67737.01	Mercury	E245.1	08/31/15 19:44	HG2-15-0831A

Metals, Prep Batch ID: MTD-090115-2

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S67737.01	Arsenic	E200.8	09/01/15 14:05	MT3-15-0901A
S67737.01	Chromium	E200.8	09/01/15 14:05	MT3-15-0901A
S67737.01	Copper	E200.8	09/01/15 14:05	MT3-15-0901A
S67737.01	Nickel	E200.8	09/01/15 14:05	MT3-15-0901A
S67737.01	Zinc	E200.8	09/01/15 14:05	MT3-15-0901A

QC Report - Batch QC Results

Inorganics, Prep Batch ID: AMN150827QC

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

Blank (BLK)

Lab Sample ID: AMN150827QC.LRB1

Run in Batch: AMN150827QC, Run Date: 08/27/2015 10:49, Prep Date: 08/27/2015, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: AMN150827QC.LCS1

Run in Batch: AMN150827QC, Run Date: 08/27/2015 11:30, Prep Date: 08/27/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		105	90	110

Matrix Spike (MS)

Lab Sample ID: AMN150827QC.MS1, Parent Sample ID: S67635.02

Run in Batch: AMN150827QC, Run Date: 08/27/2015 12:27, Prep Date: 08/27/2015, Matrix: Soil, Dilution: 1

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

Matrix Spike (MS)

Lab Sample ID: AMN150827QC.MS2, Parent Sample ID: S67564.01

Run in Batch: AMN150827QC, Run Date: 08/27/2015 14:20, Prep Date: 08/27/2015, Matrix: Liquid, Dilution: 1

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

Duplicate (DUP)

Lab Sample ID: AMN150827QC.DP1, Parent Sample ID: S67686.01

Run in Batch: AMN150827QC, Run Date: 08/27/2015 13:22, Prep Date: 08/27/2015, Matrix: Soil, Dilution: 1

Analyte	Flags	RPD	RPD CL
Ammonia-N (Undistilled)		11.9	20

Duplicate (DUP)

Lab Sample ID: AMN150827QC.DP2, Parent Sample ID: S67650.01

Run in Batch: AMN150827QC, Run Date: 08/27/2015 14:40, Prep Date: 08/27/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Ammonia-N (Undistilled)		1.1	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CN150827-W1

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

Blank (BLK)

Lab Sample ID: CN150827-W1.LRB1

Run in Batch: CN150827-W1, Run Date: 08/27/2015 12:00, Prep Date: 08/27/2015, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: CN150827-W1.LCS1

Run in Batch: CN150827-W1, Run Date: 08/27/2015 12:06, Prep Date: 08/27/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		103	90	110

Matrix Spike (MS)

Lab Sample ID: CN150827-W1.MS1, Parent Sample ID: S67764.02

Run in Batch: CN150827-W1, Run Date: 08/27/2015 12:12, Prep Date: 08/27/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		93	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: CN150827-W1.MSD1, Parent Sample ID: CN150827-W1.MS1

Run in Batch: CN150827-W1, Run Date: 08/27/2015 12:14, Prep Date: 08/27/2015, Matrix: Liquid, Dilution: 1

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

Duplicate (DUP)

Lab Sample ID: CN150827-W1.DP1, Parent Sample ID: S67764.02

Run in Batch: CN150827-W1, Run Date: 08/27/2015 12:10, Prep Date: 08/27/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

QC Report - Batch QC Results

Inorganics, Prep Batch ID: OGHEX150831W01

Surrogates: No, QC Types: BLK/LCS

Blank (BLK)

Lab Sample ID: OGHEX150831W01.LRB1

Run in Batch: OGHEX150831W01, Run Date: 08/31/2015 14:25, Prep Date: 08/31/2015, 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: OGHEX150831W01.LCS1

Run in Batch: OGHEX150831W01, Run Date: 08/31/2015 14:25, Prep Date: 08/31/2015, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX150831W01.LCS2

Run in Batch: OGHEX150831W01, Run Date: 08/31/2015 14:25, Prep Date: 08/31/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		84	78	114

QC Report - Batch QC Results

Inorganics, Prep Batch ID: PHS150830QC

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

Blank (BLK)

Lab Sample ID: PHS150830QC.LRB1

Run in Batch: PHS150830QC, Run Date: 08/30/2015 12:32, Prep Date: 08/30/2015, Matrix: Liquid, Dilution: 1

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

Blank (BLK)

Lab Sample ID: PHS150830QC.LRB2

Run in Batch: PHS150830QC, Run Date: 08/30/2015 12:39, Prep Date: 08/30/2015, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: PHS150830QC.LCS1

Run in Batch: PHS150830QC, Run Date: 08/30/2015 12:45, Prep Date: 08/30/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		98	90	110

Matrix Spike (MS)

Lab Sample ID: PHS150830QC.MS1, Parent Sample ID: S67737.01

Run in Batch: PHS150830QC, Run Date: 08/30/2015 18:09, Prep Date: 08/30/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		95	80	120

Duplicate (DUP)

Lab Sample ID: PHS150830QC.DP1, Parent Sample ID: S67797.01

Run in Batch: PHS150830QC, Run Date: 08/30/2015 18:06, Prep Date: 08/30/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Phosphorus		6.7	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: TSS150826

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

Blank (BLK)

Lab Sample ID: TSS150826.LRB1

Run in Batch: TSS150826, Run Date: 08/26/2015 14:00, Prep Date: 08/26/2015, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: TSS150826.LCS1

Run in Batch: TSS150826, Run Date: 08/26/2015 14:00, Prep Date: 08/26/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Suspended Solids		104	79	114

Duplicate (DUP)

Lab Sample ID: TSS150826.DP1, Parent Sample ID: S67081.34

Run in Batch: TSS150826, Run Date: 08/26/2015 14:00, Prep Date: 08/26/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Suspended Solids		0	5

QC Report - Batch QC Results

Metals, Prep Batch ID: HGD-083115-5

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

Laboratory Control Sample (LCS)

Lab Sample ID: HG2-15-0831A.141.LCS

Run in Batch: HG2-15-0831A, Run Date: 08/31/2015 19:09, Prep Date: 08/31/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		97	85	115

Blank (BLK)

Lab Sample ID: HG2-15-0831A.142.LRB

Run in Batch: HG2-15-0831A, Run Date: 08/31/2015 19:11, Prep Date: 08/31/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Mercury		ND	0.03	ug/L

Matrix Spike (MS)

Lab Sample ID: HG2-15-0831A.153.MS, Parent Sample ID: S67708.15

Run in Batch: HG2-15-0831A, Run Date: 08/31/2015 19:32, Prep Date: 08/31/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		96	75	125

Matrix Spike (MS)

Lab Sample ID: HG2-15-0831A.167.MS, Parent Sample ID: S67769.12

Run in Batch: HG2-15-0831A, Run Date: 08/31/2015 20:00, Prep Date: 08/31/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		97	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-15-0831A.154.MSD, Parent Sample ID: HG2-15-0831A.153.MS

Run in Batch: HG2-15-0831A, Run Date: 08/31/2015 19:34, Prep Date: 08/31/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury		95	75	125	1	20

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-15-0831A.168.MSD, Parent Sample ID: HG2-15-0831A.167.MS

Run in Batch: HG2-15-0831A, Run Date: 08/31/2015 20:02, Prep Date: 08/31/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury		93	75	125	4	20

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-090115-2

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

Laboratory Control Sample (LCS)

Lab Sample ID: MT3-15-0901A.021.LCS

Run in Batch: MT3-15-0901A, Run Date: 09/01/2015 12:52, Prep Date: 09/01/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		98	85	115
Chromium		100	85	115
Copper		100	85	115
Nickel		98	85	115
Zinc		106	85	115

Blank (BLK)

Lab Sample ID: MT3-15-0901A.023.LRB

Run in Batch: MT3-15-0901A, Run Date: 09/01/2015 12:59, Prep Date: 09/01/2015, 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	0.001	mg/L

Matrix Spike (MS)

Lab Sample ID: MT3-15-0901A.035.MS, Parent Sample ID: S67691.03

Run in Batch: MT3-15-0901A, Run Date: 09/01/2015 13:36, Prep Date: 09/01/2015, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		105	75	125
Chromium		103	75	125
Copper		103	75	125
Nickel		101	75	125
Zinc		104	75	125

Matrix Spike (MS)

Lab Sample ID: MT3-15-0901A.045.MS, Parent Sample ID: S67737.01

Run in Batch: MT3-15-0901A, Run Date: 09/01/2015 14:09, Prep Date: 09/01/2015, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		107	75	125
Chromium		106	75	125
Copper		102	75	125
Nickel		103	75	125
Zinc		106	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT3-15-0901A.036.MSD, Parent Sample ID: MT3-15-0901A.035.MS

Run in Batch: MT3-15-0901A, Run Date: 09/01/2015 13:40, Prep Date: 09/01/2015, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		104	75	125	1	20
Chromium		103	75	125	0	20
Copper		103	75	125	0	20
Nickel		99	75	125	1	20
Zinc		105	75	125	1	20

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-090115-2 (continued)

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

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT3-15-0901A.046.MSD, Parent Sample ID: MT3-15-0901A.045.MS

Run in Batch: MT3-15-0901A, Run Date: 09/01/2015 14:12, Prep Date: 09/01/2015, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		105	75	125	2	20
Chromium		104	75	125	1	20
Copper		100	75	125	1	20
Nickel		102	75	125	1	20
Zinc		102	75	125	3	20



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 www.meritlabs.com

C.O.C. PAGE # 1 OF 1

82411

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Clifford 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.: 248-477-5962 P.O. NO.: 60794 001.100
 E-MAIL ADDRESS: Clifford.Yantz@obg.com QUOTE NO.: 11510269

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

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: Coldwater Rd Landfill SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER 1 week
 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=WIFE A=AIR W=WASTE

Total Metals	Amenable Cyanide	BOD/TSS	Ammonia - Nitrogen	Total Phosphorus	FOG (Hex-Ext)
X	XX	X	X	X	

Certifications
 OHIO VAP Drinking Water
 DoD NPDES
 Project Locations
 Detroit New York
 Other _____
 Special Instructions

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives							Total Metals	Amenable Cyanide	BOD/TSS	Ammonia - Nitrogen	Total Phosphorus	FOG (Hex-Ext)	Special Instructions
	DATE	TIME				NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER							
<u>67737.01</u>	<u>8/25/15</u>	<u>1055</u>	<u>03-PRCC-15</u>	<u>ww</u>	<u>5</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>X</u>	<u>XX</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>*Metals: AS, Cr, Cu, Hg, Ni, Zn</u>
																			<u>Analysis Per City of Flint Permit</u>
																			<u>Field PH: 6.02</u>
																			<u>Field Temp: 24.3</u>

RELINQUISHED BY: [Signature] OBG Sampler
 SIGNATURE/ORGANIZATION: _____ DATE: 8/25/15 TIME: 1110
 RECEIVED BY: [Signature]
 SIGNATURE/ORGANIZATION: _____ DATE: 8-25-15 TIME: 1110
 RELINQUISHED BY: _____ DATE: _____ TIME: _____
 SIGNATURE/ORGANIZATION: _____ DATE: _____ TIME: _____
 RECEIVED BY: _____ DATE: _____ TIME: _____
 SIGNATURE/ORGANIZATION: _____

RELINQUISHED BY: [Signature]
 SIGNATURE/ORGANIZATION: _____ DATE: 8/25/15 TIME: 1350
 RECEIVED BY: [Signature]
 SIGNATURE/ORGANIZATION: _____ DATE: 8/25/15 TIME: 1350
 SEAL NO. SEAL INTACT INITIALS NOTES: TEMP. ON ARRIVAL 5.5
 YES NO
 SEAL NO. SEAL INTACT INITIALS
 YES NO