



April 26, 2012

**Mr. Tom Hutchings**

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

**RE: *Discharge Permit Submittal–January 2012 through March 2012***  
*Permit No.: 6-08-04-04-GML1*

FILE: 15388/48630/Docs

Dear Mr. Hutchings:

In accordance with requirements of the above referenced discharge permit, we are providing you with the following discharge information for the period **January 1, 2012 to March 31, 2012** 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 13, 2012 and March 16, 2012. A replacement sample for the oil & grease n-hexane analysis was collected on March 15, 2012 due to insufficient sample volume to conduct the analysis.
- | Copy of Chain-of-Custody forms.

The laboratory analytical results indicate concentrations were below the Sewer Use Permit limits for the parameters analyzed for the water discharged to the POTW during the discharge period.

Please call me at 248-477-5701 x16 if you have any questions.

Very truly yours,

**O'BRIEN & GERE ENGINEERS, INC.**

A handwritten signature in blue ink that reads "Clifford Scott Yantz".

Clifford Yantz  
Technical Associate

cc: Mr. Kevin Forbes – Beecher Metropolitan District, Flint, MI  
Mr. Grant Trigger – RACER Trust  
Mr. David Favero – RACER Trust  
Mr. Kevin Schneider – O'Brien & Gere

**City of Flint  
Industrial Pretreatment Program**

**Periodic Report on Continued Compliance**

Company Name: RACER Trust, Coldwater Road  
Street Address: 6220 Horton Avenue, Flint, Michigan  
Permit Number: 6-08-04-04-GML1  
Outfall Number: 001

Reporting Period: January 1, 2012 through March 31, 2012

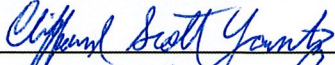
Average Volume of Daily Discharge (during reporting period): 5,000 gallons per day.  
(1 day)

Complete the following:

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

Name of Authorized Representative: Clifford Yantz

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

Signature of Authorized Representative: 

Date Signed by Authorized Representative: 4/26/12

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 - 2012**  
**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	1.88	0.005	4.5	1	0	1	7.03	0.01	0.03	0.01	42	1
Test Method	4500-NH3 D		10360		1664A		4500-H+ B		4500-PE		2540 D	
Test Date	13-Mar-12		15-Mar-12		16-Mar-12		13-Mar-12		16-Mar-12		19-Mar-12	
Sample Date	13-Mar-12		13-Mar-12		15-Mar-12		13-Mar-12		13-Mar-12		13-Mar-12	
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.	1.880		4.500		0.000		7.030		0.030		42.000	
Monthly Average Conc.	N/A		N/A		N/A		N/A		N/A		N/A	
No. of Samples	1		1		1		1		1		1	
Number of Limit Exceedances	0		0		0		0		0		0	

Notes: \* Quantification Level: The lowest level at which the test result is reported by the analytical laboratory as a quantitative numerical value, below which test results are reported as "less than" (<) that value

E1 = Limit Exceedance; E2 = Sample Expired

**Table 1**  
**Coldwater Road Landfill**  
**City of Flint Sewer User Self-Monitoring Report**  
**First Quarter - 2012**  
**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	0.006	0.002	0.012	0.005	0.406	0.004	0.000	0.00020	0.153	0.005	0.040	0.005	0.000	0.005
Test Method	200.8		200.8		200.8		245.1		200.8		200.8		335.4/4500-CN-G	
Test Date	14-Mar-12		14-Mar-12		14-Mar-12		14-Mar-12		14-Mar-12		14-Mar-12		14-Mar-12	
Sample Date	13-Mar-12		13-Mar-12		13-Mar-12		13-Mar-12		13-Mar-12		13-Mar-12		13-Mar-12	
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.	0.006		0.012		0.406		0.000		0.153		0.040		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  
Fourth Quarter - 2011  
6-08-04-04-GML1**

Date	Beginning Flow Meter Reading	End Flow Meter Reading	Gallons Discharged	Begin Time of Discharge	End Time of Discharge	Average Flow (gal/min)	Temperature at Discharge		pH
							(C)	(F)	
3/26/2012	459,961	464,961	5,000	9:35	13:15	22.7	15.6	60.1	8.12

**Total Discharge Volume: 5,000  
Average Volume per Discharge: 5,000**

NOTES :



# Analytical Laboratory Report

Report ID: S51860.01(01)  
Generated on 03/20/2012

Report to

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

Phone: 248-477-5701 FAX:  
Email: YantzCS@obg.com/SchneiKB@obg.com

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): S51860.01  
Project: Coldwater Road Landfill  
Collected Date: 03/13/2012  
Submitted Date/Time: 03/13/2012 14:00  
Sampled by: Kevin Schneider  
P.O. #: PO124782

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 RL.  
Samples are held by the lab for 30 days from the sample submittal 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.

Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#L11-184), WBENC (#2005110032)  
Ohio EPA (#CL0002), IN Drinking Water (#C-MI-07), NELAC NY (#11814), NELAC FL (#E871045)  
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak  
Laboratory Director



# Analytical Laboratory Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S51860.01	01-PRCC-12	Wastewater	03/13/2012 10:25



# Analytical Laboratory Report

Lab Sample ID: S51860.01  
 Sample Tag: 01-PRCC-12  
 Collected Date/Time: 03/13/2012 10:25  
 Matrix: Wastewater  
 COC Reference: 64364

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	4.9	IR
1	500ml Plastic	None	Yes	4.9	IR
1	32oz Glass	HCL	Yes	4.9	IR
1	125ml Plastic	NaOH	Yes	4.9	IR
1	250ml Plastic	H2SO4	Yes	4.9	IR

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

Mercury Digestion	Completed			245.1	03/14/12 12:00	JRH		
Metal Digestion	Completed			3015A	03/14/12 01:00	SLR		

### **Inorganics**

Amenable Cyanide	Not detected	mg/L	0.005	335.4/4500-CN-G	03/14/12 11:52	JDP	57-12-5AM	
Ammonia-N	1.88	mg/L	0.02	4500-NH3 D	03/13/12 16:58	MJC	7664-41-7	
Field pH	7.03	STD Units	0.01	4500-H+ B	03/13/12 10:25	OBG		
TBOD5 - Set	Completed	mg/L		10360	03/15/12 10:00	RGS		
TBOD5	4.5	mg/L	1	10360	03/20/12 10:00	RGS		
Total Phosphorus	0.03	mg/L	0.01	4500-PE	03/16/12 17:02	MJC	7723-14-0	
Total Suspended Solids	42	mg/L	1	2540 D	03/19/12 13:30	RGS		

### **Metals**

Arsenic	0.006	mg/L	0.002	200.8	03/14/12 12:47	SLS	7440-38-2	
Chromium	0.012	mg/L	0.005	200.8	03/14/12 12:47	SLS	7440-47-3	
Copper	0.406	mg/L	0.004	200.8	03/14/12 12:47	SLS	7440-50-8	
Mercury	Not detected	mg/L	0.0002	245.1	03/14/12 15:17	JRT	7439-97-6	
Nickel	0.153	mg/L	0.005	200.8	03/14/12 12:47	SLS	7440-02-0	
Zinc	0.040	mg/L	0.005	200.8	03/14/12 12:47	SLS	7440-66-6	





# Quality Control Report

Report ID: QC-S51860.01(01)  
Generated on 03/22/2012

Report to

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

Phone: 248-477-5701 FAX:

Report Produced by

Merit Laboratories  
2680 East Lansing Drive  
East Lansing, MI 48823

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

Report Summary

Lab Sample ID(s): S51860.01  
Project: Coldwater Road Landfill  
Submitted Date/Time: 03/13/2012 14:00  
Sampled by: Kevin Schneider  
P.O. #: PO124782

Report Sections

Cover Page (Page 1)  
Analysis Summary (Page 2)  
Prep Batch Summary (Page 3)  
Batch QC Results (Pages 4-10)

Report Flag Descriptions

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

Report Notes

Results relate only to items tested as received by the laboratory.  
Methods may be modified for improved performance.  
Results reported on a dry weight basis where applicable.  
"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.  
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:

Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)  
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak  
Laboratory Director

## QC Report - Analysis Summary

**Lab Sample ID: S51860.01**

Sample Tag: 01-PRCC-12

Collected Date/Time: 03/13/2012 10:25

Matrix: Wastewater

COC Reference: 64364

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
<b>Inorganics</b>						
Amenable Cyanide	335.4/4500-CN-G	03/14/12 11:52	CN120314-W1	CN120314-W1	No	BLK/LCS/MS/MSD/DUP
Ammonia-N	4500-NH3 D	03/13/12 16:58	AMN120313	AMN120313	No	BLK/LCS/MS/DUP
Total Phosphorus	4500-PE	03/16/12 17:02	PHS120316	PHS120316	No	BLK/LCS/MS/DUP
Total Suspended Solids	2540 D	03/19/12 13:30	TSS120319	TSS120319	No	BLK/LCS/DUP
<b>Metals</b>						
Arsenic	200.8	03/14/12 12:47	MT3-12-0314A	MTD-031412-1	No	LCS/BLK/MS/MSD
Chromium	200.8	03/14/12 12:47	MT3-12-0314A	MTD-031412-1	No	LCS/BLK/MS/MSD
Copper	200.8	03/14/12 12:47	MT3-12-0314A	MTD-031412-1	No	LCS/BLK/MS/MSD
Mercury	245.1	03/14/12 15:17	HG2-12-0314A	HGD-031412-1	No	LCS/BLK/MS/MSD
Nickel	200.8	03/14/12 12:47	MT3-12-0314A	MTD-031412-1	No	LCS/BLK/MS/MSD
Zinc	200.8	03/14/12 12:47	MT3-12-0314A	MTD-031412-1	No	LCS/BLK/MS/MSD

## QC Report - Prep Batch Summary

### Inorganics, Prep Batch ID: AMN120313

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S51860.01	Ammonia-N	4500-NH3 D	03/13/12 16:58	AMN120313

### Inorganics, Prep Batch ID: CN120314-W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S51860.01	Amenable Cyanide	335.4/4500-CN-G	03/14/12 11:52	CN120314-W1

### Inorganics, Prep Batch ID: PHS120316

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S51860.01	Total Phosphorus	4500-PE	03/16/12 17:02	PHS120316

### Inorganics, Prep Batch ID: TSS120319

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S51860.01	Total Suspended Solids	2540 D	03/19/12 13:30	TSS120319

### Metals, Prep Batch ID: HGD-031412-1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S51860.01	Mercury	245.1	03/14/12 15:17	HG2-12-0314A

### Metals, Prep Batch ID: MTD-031412-1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S51860.01	Arsenic	200.8	03/14/12 12:47	MT3-12-0314A
S51860.01	Chromium	200.8	03/14/12 12:47	MT3-12-0314A
S51860.01	Copper	200.8	03/14/12 12:47	MT3-12-0314A
S51860.01	Nickel	200.8	03/14/12 12:47	MT3-12-0314A
S51860.01	Zinc	200.8	03/14/12 12:47	MT3-12-0314A

## QC Report - Batch QC Results

### Inorganics, Prep Batch ID: AMN120313

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

#### Blank (BLK)

Lab Sample ID: AMN120313.LRB1

Run in Batch: AMN120313, Run Date: 03/13/2012 11:49, Prep Date: 03/13/2012, Matrix: Liquid, Dilution: 1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: AMN120313.LCS1

Run in Batch: AMN120313, Run Date: 03/13/2012 12:08, Prep Date: 03/13/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N		100	90	110

#### Matrix Spike (MS)

Lab Sample ID: AMN120313.MS1, Parent Sample ID: S51755.01

Run in Batch: AMN120313, Run Date: 03/13/2012 14:25, Prep Date: 03/13/2012, Matrix: Liquid, Dilution: 1

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

#### Duplicate (DUP)

Lab Sample ID: AMN120313.DP1, Parent Sample ID: S51753.01

Run in Batch: AMN120313, Run Date: 03/13/2012 12:53, Prep Date: 03/13/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Ammonia-N		1.5	20

## QC Report - Batch QC Results

### Inorganics, Prep Batch ID: CN120314-W1

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

#### Blank (BLK)

Lab Sample ID: CN120314-W1.LRB1

Run in Batch: CN120314-W1, Run Date: 03/14/2012 11:30, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

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

#### Blank (BLK)

Lab Sample ID: CN120314-W1.LRB2

Run in Batch: CN120314-W1, Run Date: 03/14/2012 11:56, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: CN120314-W1.LCS1

Run in Batch: CN120314-W1, Run Date: 03/14/2012 11:36, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		102	90	110

#### Laboratory Control Sample (LCS)

Lab Sample ID: CN120314-W1.LCS2

Run in Batch: CN120314-W1, Run Date: 03/14/2012 12:00, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		95	90	110

#### Matrix Spike (MS)

Lab Sample ID: CN120314-W1.MS1, Parent Sample ID: S51852.03

Run in Batch: CN120314-W1, Run Date: 03/14/2012 11:46, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		96	80	120

#### Matrix Spike (MS)

Lab Sample ID: CN120314-W1.MS2, Parent Sample ID: S51853.01

Run in Batch: CN120314-W1, Run Date: 03/14/2012 12:06, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		92	80	120

#### Matrix Spike Duplicate (MSD)

Lab Sample ID: CN120314-W1.MSD1, Parent Sample ID: CN120314-W1.MS1

Run in Batch: CN120314-W1, Run Date: 03/14/2012 11:48, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Amenable Cyanide		95	80	120	1	15

#### Matrix Spike Duplicate (MSD)

Lab Sample ID: CN120314-W1.MSD2, Parent Sample ID: CN120314-W1.MS2

Run in Batch: CN120314-W1, Run Date: 03/14/2012 12:08, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

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

## QC Report - Batch QC Results

### Inorganics, Prep Batch ID: CN120314-W1 (continued)

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

#### Duplicate (DUP)

Lab Sample ID: CN120314-W1.DP1, Parent Sample ID: S51852.03

Run in Batch: CN120314-W1, Run Date: 03/14/2012 11:44, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

#### Duplicate (DUP)

Lab Sample ID: CN120314-W1.DP2, Parent Sample ID: S51853.01

Run in Batch: CN120314-W1, Run Date: 03/14/2012 12:04, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

## QC Report - Batch QC Results

### Inorganics, Prep Batch ID: PHS120316

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

#### Blank (BLK)

Lab Sample ID: PHS120316.LRB1

Run in Batch: PHS120316, Run Date: 03/16/2012 13:05, Prep Date: 03/16/2012, Matrix: Liquid, Dilution: 1

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

#### Blank (BLK)

Lab Sample ID: PHS120316.LRB2

Run in Batch: PHS120316, Run Date: 03/16/2012 13:12, Prep Date: 03/16/2012, Matrix: Liquid, Dilution: 1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: PHS120316.LCS1

Run in Batch: PHS120316, Run Date: 03/16/2012 13:18, Prep Date: 03/16/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		99	90	110

#### Matrix Spike (MS)

Lab Sample ID: PHS120316.MS1, Parent Sample ID: S51846.01

Run in Batch: PHS120316, Run Date: 03/16/2012 17:16, Prep Date: 03/16/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		99	80	120

#### Duplicate (DUP)

Lab Sample ID: PHS120316.DP1, Parent Sample ID: S51804.01

Run in Batch: PHS120316, Run Date: 03/16/2012 17:12, Prep Date: 03/16/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Phosphorus		5.9	20

## QC Report - Batch QC Results

### Inorganics, Prep Batch ID: TSS120319

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

#### Blank (BLK)

Lab Sample ID: TSS120319.LRB1

Run in Batch: TSS120319, Run Date: 03/19/2012 13:30, Prep Date: 03/19/2012, Matrix: Liquid, Dilution: 1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: TSS120319.LCS1

Run in Batch: TSS120319, Run Date: 03/19/2012 13:30, Prep Date: 03/19/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Suspended Solids		103	90	110

#### Duplicate (DUP)

Lab Sample ID: TSS120319.DP1, Parent Sample ID: S51860.01

Run in Batch: TSS120319, Run Date: 03/19/2012 13:30, Prep Date: 03/19/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Suspended Solids		43	15

## QC Report - Batch QC Results

### Metals, Prep Batch ID: HGD-031412-1

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

### Laboratory Control Sample (LCS)

Lab Sample ID: HG2-12-0314A.015.LCS

Run in Batch: HG2-12-0314A, Run Date: 03/14/2012 14:55, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		98	85	115

### Blank (BLK)

Lab Sample ID: HG2-12-0314A.016.LRB

Run in Batch: HG2-12-0314A, Run Date: 03/14/2012 15:00, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Mercury		ND	0.03	ug/L

### Matrix Spike (MS)

Lab Sample ID: HG2-12-0314A.024.MS, Parent Sample ID: S51860.01

Run in Batch: HG2-12-0314A, Run Date: 03/14/2012 15:19, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		90	80	120

### Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-12-0314A.025.MSD, Parent Sample ID: HG2-12-0314A.024.MS

Run in Batch: HG2-12-0314A, Run Date: 03/14/2012 15:21, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury		97	80	120	7	20

## QC Report - Batch QC Results

### Metals, Prep Batch ID: MTD-031412-1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: MT3-12-0314A.012.LCS

Run in Batch: MT3-12-0314A, Run Date: 03/14/2012 11:43, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		106	85	115
Chromium		108	85	115
Copper		108	85	115
Nickel		106	85	115
Zinc		108	85	115

#### Blank (BLK)

Lab Sample ID: MT3-12-0314A.015.LRB

Run in Batch: MT3-12-0314A, Run Date: 03/14/2012 11:54, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Arsenic		ND	0.0001	mg/L
Chromium		ND	0.001	mg/L
Copper		ND	0.0005	mg/L
Nickel		ND	0.001	mg/L
Zinc		ND	0.001	mg/L

#### Matrix Spike (MS)

Lab Sample ID: MT3-12-0314A.028.MS, Parent Sample ID: S51860.01

Run in Batch: MT3-12-0314A, Run Date: 03/14/2012 12:40, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		120	75	125
Chromium		123	75	125
Copper		116	75	125
Nickel		119	75	125
Zinc		116	75	125

#### Matrix Spike Duplicate (MSD)

Lab Sample ID: MT3-12-0314A.029.MSD, Parent Sample ID: MT3-12-0314A.028.MS

Run in Batch: MT3-12-0314A, Run Date: 03/14/2012 12:44, Prep Date: 03/14/2012, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		121	75	125	1	20
Chromium		123	75	125	0	20
Copper		116	75	125	0	20
Nickel		119	75	125	0	20
Zinc		117	75	125	1	20





# Analytical Laboratory Report

Report ID: S51877.01(01)  
Generated on 03/16/2012

## Report to

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

Phone: 248-477-5701 FAX:  
Email: YantzCS@obg.com/SchneiKB@obg.com

## 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): S51877.01  
Project: Coldwater Road Landfill  
Collected Date: 03/15/2012  
Submitted Date/Time: 03/15/2012 14:10  
Sampled by: Kevin Schneider  
P.O. #: PO124782

## 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 RL.  
Samples are held by the lab for 30 days from the sample submittal 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.

## Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#L11-184), WBENC (#2005110032)  
Ohio EPA (#CL0002), IN Drinking Water (#C-MI-07), NELAC NY (#11814), NELAC FL (#E871045)  
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak  
Laboratory Director



# Analytical Laboratory Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S51877.01	01-PRCC-12	Wastewater	03/15/2012 08:40



# Analytical Laboratory Report

Lab Sample ID: S51877.01  
Sample Tag: 01-PRCC-12  
Collected Date/Time: 03/15/2012 08:40  
Matrix: Wastewater  
COC Reference: 64365

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	32oz Glass	HCL	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Inorganics</b>								
Oil & Grease n-Hexane Extract.	Not detected	mg/L	1	1664A	03/16/12 14:58	CCM		



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 Phone (517) 332-0167 Fax (517) 332-6333  
 www.meritlabs.com

C.O.C. PAGE # 1 OF 1

64365

**REPORT TO** **CHAIN OF CUSTODY RECORD** **INVOICE TO**

CONTACT NAME: Clifford Yantz / Kevin Schneider  
 COMPANY: O'Brien + Gere  
 ADDRESS: 37000 Grand River Ave Ste 200  
 CITY: Farmington Hills STATE: MI ZIP CODE: 48335  
 PHONE NO.: 248-477-5201 FAX NO.: P.O. NO.:  
 E-MAIL ADDRESS: clifford.yantz@obg.com QUOTE NO.:

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

PROJECT NO./NAME: Coburner Rd Landfill SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider [Signature]  
 TURNAROUND TIME REQUIRED:  24 HR  48 HR  72 HR  STANDARD  OTHER  
 DELIVERABLES REQUIRED:  STANDARD  LEVEL II  LEVEL III  OTHER

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MATRIX CODE	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC	# Containers & Preservatives	SPECIAL INSTRUCTIONS/NOTES

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

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	MeOH	OTHER	# Containers & Preservatives	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME												
57577.01	3/15/12	8:40	01 - PRCL - 12	NW	1		1							Replacement Sample

FOG (Hex-Ext)

RELINQUISHED BY: [Signature] O'Brien + Gere DATE: 3/15/12 TIME: 8:45  
 RECEIVED BY: [Signature] DATE: 3/15/12 TIME: 8:45

RELINQUISHED BY: [Signature] DATE: 3-15-12 TIME: 1410  
 RECEIVED BY: [Signature] DATE: 3-15-12 TIME: 1410

SEAL NO. SEAL INTACT YES  NO  INITIALS: NOTES: TEMP. ON ARRIVAL: 49



# Quality Control Report

Report ID: QC-S51877.01(01)  
Generated on 03/19/2012

Report to

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

Phone: 248-477-5701 FAX:

Report Produced by

Merit Laboratories  
2680 East Lansing Drive  
East Lansing, MI 48823

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

Report Summary

Lab Sample ID(s): S51877.01  
Project: Coldwater Road Landfill  
Submitted Date/Time: 03/15/2012 14:10  
Sampled by: Kevin Schneider  
P.O. #: PO124782

Report Sections

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

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.  
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Violetta F. Murshak  
Laboratory Director

## QC Report - Analysis Summary

**Lab Sample ID: S51877.01**

Sample Tag: 01-PRCC-12

Collected Date/Time: 03/15/2012 08:40

Matrix: Wastewater

COC Reference: 64365

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
<b><i>Inorganics</i></b>						
Oil & Grease n-Hexane Extract.	1664A	03/16/12 14:58	OGHEX120316W01	OGHEX120316W01	No	BLK/LCS

## QC Report - Prep Batch Summary

### Inorganics, Prep Batch ID: OGHEX120316W01

Surrogates: No, QC Types: BLK/LCS

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S51877.01	Oil & Grease n-Hexane Extract.	1664A	03/16/12 14:58	OGHEX120316W01

## QC Report - Batch QC Results

### Inorganics, Prep Batch ID: OGHEX120316W01

Surrogates: No, QC Types: BLK/LCS

#### Blank (BLK)

Lab Sample ID: OGHEX120316W01.LRB1

Run in Batch: OGHEX120316W01, Run Date: 03/16/2012 11:16, Prep Date: 03/16/2012, 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: OGHEX120316W01.LCS1

Run in Batch: OGHEX120316W01, Run Date: 03/16/2012 11:16, Prep Date: 03/16/2012, Matrix: Liquid, Dilution: 1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX120316W01.LCS2

Run in Batch: OGHEX120316W01, Run Date: 03/16/2012 11:16, Prep Date: 03/16/2012, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		82	78	114



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C.O.C. PAGE # 1 OF 1

64365

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 COMPANY:  
 ADDRESS:  
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 PHONE NO.: FAX NO.: P.O. NO.:

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SEAL NO. SEAL INTACT YES  NO  INITIALS: NOTES: TEMP. ON ARRIVAL: 49