



January 20, 2011

Mr. Tom Hutchings

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

SUBJECT: DISCHARGE PERMIT SUBMITTAL- OCTOBER 2010 THROUGH DECEMBER 2010

Permit No.: 6-08-04-04-GML1

Dear Mr. Hutchings:

In accordance with requirements of the above referenced discharge permit, we are providing you with the following discharge information for the period October 1, 2010 to December 31, 2010 for the Coldwater Road 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 November 9, 2010.
- 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 if you have any questions.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

A handwritten signature in black ink that reads 'Clifford Scott Yantz'.

Clifford Yantz
Technical Associate

Enclosures

cc: Mr. Kevin Forbes – Beecher Metropolitan District, Flint, MI
Mr. David Favero – Motors Liquidation Co.

City of Flint Industrial Pretreatment Program

Periodic Report on Continued Compliance

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

Reporting Period: October 1, 2010 through December 31, 2010

Average Volume of Daily Discharge (during reporting period): 1,894 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 Motors Liquidation Company (MLC)

Signature of Authorized Representative: _____

Date Signed by Authorized Representative: _____

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
MLC - Coldwater Road Landfill
City of Flint Sewer User Self-Monitoring Report
Fouth Quarter - 2010
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	3.0	0.005	14	1	0	1	7.47	0.01	0.08	0.01	25	1
Test Method	35.4/4500-CN-G		10360		1664A		4500-H+B		4500-PE		2540 D	
Test Date	16-Nov-10		11-Nov-10		17-Nov-10		09-Nov-10		12-Nov-10		11-Nov-10	
Sample Date	09-Nov-10		09-Nov-10		09-Nov-10		09-Nov-10		09-Nov-10		09-Nov-10	
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.	3.000		14.000		0.000		7.470		0.080		25.000	
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
MLC - Coldwater Road Landfill
City of Flint Sewer User Self-Monitoring Report
Fourth Quarter - 2010
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		0.00012		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	0.012	0.002	0.029	0.005	1.10	0.004	0.000	0.00020	0.213	0.005	0.075	0.005	0.000	0.005
Test Method	200.8		200.8		200.8		200.8		200.8		200.8		335.4/4500-CN-G	
Test Date	16-Nov-10		16-Nov-10		16-Nov-10		11-Nov-10		16-Nov-10		16-Nov-10		16-Nov-10	
Sample Date	09-Nov-10		09-Nov-10		09-Nov-10		09-Nov-10		09-Nov-10		09-Nov-10		09-Nov-10	
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.	0.012		0.029		1.100		0.000		0.213		0.075		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
MLC - Coldwater Road Landfill
Daily Discharge Summary Table
Fouth Quarter - 2010
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)	
11/26/2010	437,931	439,825	1,894	13:50	17:15	9.2	10.7	51.3	7.68

Total Discharge Volume: 1,894
Average Volume per Discharge: 1,894

NOTES :



Analytical Laboratory Report

Report ID: S46638.01(01)
Generated on 11/18/2010

Report to

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

Phone: 248-477-5701 FAX:
Email: YantzCS@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): S46638.01
Project: Coldwater Rd. PRCC
Collected Date: 11/09/2010
Submitted Date/Time: 11/10/2010 15:30
Sampled by: Clifford Yantz
P.O. #: 11018537

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.
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



Analytical Laboratory Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S46638.01	04-PRCC-10	Wastewater	11/09/2010 14:46



Analytical Laboratory Report

Lab Sample ID: S46638.01
 Sample Tag: 04-PRCC-10
 Collected Date/Time: 11/09/2010 14:46
 Matrix: Wastewater
 COC Reference: 041642

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	32 oz Glass	HCL	Yes	4.5	IR
1	125ml Plastic	NaOH	Yes	4.5	IR
1	125ml Plastic	HNO3	Yes	4.5	IR
1	250ml Plastic	H2SO4	Yes	4.5	IR
1	1L Plastic	None	Yes	4.5	IR

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

Mercury Digestion	Completed			7471A	11/11/10 12:30	JRT		
Metal Digestion	Completed			3015A	11/16/10 12:00	SLS		

Inorganics

Amenable Cyanide	Not detected	mg/L	0.005	335.4/4500-CN-G	11/16/10 10:50	JDP	57-12-5AM	
Ammonia-N	3.0	mg/L	0.2	4500-NH3 D	11/10/10 19:00	MJC	7664-41-7	
Field pH	7.47	STD Units	0.01	4500-H+ B	11/09/10 14:46	OBG		
Oil & Grease n-Hexane Extract.	Not detected	mg/L	1	1664A	11/17/10 17:00	DJS		
TBOD5 - Set	Completed	mg/L		10360	11/11/10 08:00	DJS		
TBOD5	14	mg/L	1	10360	11/16/10 08:30	DJS		
Total Phosphorus	0.08	mg/L	0.01	4500-PE	11/12/10 17:51	MJC	7723-14-0	
Total Suspended Solids	25	mg/L	1	2540 D	11/11/10 14:30	DJS		

Metals

Arsenic	0.012	mg/L	0.002	200.8	11/16/10 20:29	SLS	7440-38-2	
Chromium	0.029	mg/L	0.005	200.8	11/16/10 20:29	SLS	7440-47-3	
Copper	1.10	mg/L	0.004	200.8	11/16/10 20:29	SLS	7440-50-8	
Mercury	Not detected	mg/L	0.0002	245.1	11/11/10 15:23	JRT	7439-97-6	
Nickel	0.213	mg/L	0.005	200.8	11/16/10 20:29	SLS	7440-02-0	
Zinc	0.075	mg/L	0.005	200.8	11/16/10 20:29	SLS	7440-66-6	



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

C.O.C. PAGE # 1 OF 1

041642

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: *Clifford S. Yantz*
 COMPANY: *O'Brien & Gere*
 ADDRESS: *37000 Grand River Ave #260*
 CITY: *Farmington Hills* STATE: *MI* ZIP CODE: *48335*
 PHONE NO.: *2484775701* FAX NO.: *2484775962* 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.:

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME: *Coldwater Road landfill* SAMPLER(S) - PLEASE PRINT/SIGN NAME: *Clifford S. Yantz / O'Brien & Gere*

TURNAROUND TIME REQUIRED: 24 HR 48 HR 72 HR STANDARD OTHER

DELIVERABLES REQUIRED: STANDARD LEVEL II LEVEL III OTHER

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

Containers & Preservatives

Total Metals
Ammoniable Cyanide
BOD, TSS
Ammoniacal Nitrogen
Total Phosphorus
FOG (Hex. Part)

SPECIAL INSTRUCTIONS/NOTES
metals:
As, Cr, Cu, Hg, Ni, Zn
Analysis per City of
Flint Permit
Field pH 7.47
Field Temp. 13.31°C

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives													
	DATE	End TIME				NONE	HCL	HNO ₃	H ₂ SO ₄	NaOH	MgOH	OTHER							
<i>46038.01</i>	<i>11/9/10</i>	<i>14:46</i>	<i>04-PRCC-10</i>	<i>NW</i>	<i>5</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>

RELINQUISHED BY: *[Signature]* O'Brien & Gere DATE: *11/10/10* TIME: *11:30*
 RECEIVED BY: *[Signature]* DATE: *11/10/10* TIME: *11:30*
 RELINQUISHED BY: DATE: TIME:
 RECEIVED BY: DATE: TIME:

RELINQUISHED BY: *[Signature]* DATE: *11/10/10* TIME: *15:30*
 RECEIVED BY: *[Signature]* DATE: *11/10/10* TIME: *15:30*
 SEAL NO. SEAL INTACT YES NO INITIALS: NOTES: TEMP. ON ARRIVAL: *4/5*



Quality Control Report

Report ID: QC-S46638.01(01)
Generated on 11/29/2010

Report to

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

Phone: 248-477-5701 FAX:

Report Produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

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

Report Summary

Lab Sample ID(s): S46638.01
Project: Coldwater Rd. PRCC
Submitted Date/Time: 11/10/2010 15:30
Sampled by: Clifford Yantz
P.O. #: 11018537

Report Sections

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

Report Flag Descriptions

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

Report Notes

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

Laboratory Certifications:

Michigan DNRE (#9956), 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: S46638.01

Sample Tag: 04-PRCC-10

Collected Date/Time: 11/09/2010 14:46

Matrix: Wastewater

COC Reference: 041642

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
<i>Inorganics</i>						
Amenable Cyanide	335.4/4500-CN-G	11/16/10 10:50	CN101116-W1	CN101116-W1	No	BLK/LCS/MS/MSD/DUP
Ammonia-N	4500-NH3 D	11/10/10 19:00	AMN101110	AMN101110	No	BLK/LCS/MS/DUP
Oil & Grease n-Hexane Extract.	1664A	11/17/10 17:00	OGHEX101117W01	OGHEX101117W01	No	BLK/LCS
Total Phosphorus	4500-PE	11/12/10 17:51	PHS101112	PHS101112	No	BLK/LCS/MS/DUP
Total Suspended Solids	2540 D	11/11/10 14:30	TSS101111W03	TSS101111W03	No	BLK/LCS/DUP
<i>Metals</i>						
Arsenic	200.8	11/16/10 20:29	MT3-10-1116A	MTD-111610-8	No	LCS/BLK/MS/MSD
Chromium	200.8	11/16/10 20:29	MT3-10-1116A	MTD-111610-8	No	LCS/BLK/MS/MSD
Copper	200.8	11/16/10 20:29	MT3-10-1116A	MTD-111610-8	No	LCS/BLK/MS/MSD
Mercury	245.1	11/11/10 15:23	HG2-10-1111A	HGD-111110-2	No	LCS/BLK/MS/MSD
Nickel	200.8	11/16/10 20:29	MT3-10-1116A	MTD-111610-8	No	LCS/BLK/MS/MSD
Zinc	200.8	11/16/10 20:29	MT3-10-1116A	MTD-111610-8	No	LCS/BLK/MS/MSD

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: AMN101110

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S46638.01	Ammonia-N	4500-NH3 D	11/10/10 19:00	AMN101110

Inorganics, Prep Batch ID: CN101116-W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S46638.01	Amenable Cyanide	335.4/4500-CN-G	11/16/10 10:50	CN101116-W1

Inorganics, Prep Batch ID: OGHEX101117W01

Surrogates: No, QC Types: BLK/LCS

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S46638.01	Oil & Grease n-Hexane Extract.	1664A	11/17/10 17:00	OGHEX101117W01

Inorganics, Prep Batch ID: PHS101112

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S46638.01	Total Phosphorus	4500-PE	11/12/10 17:51	PHS101112

Inorganics, Prep Batch ID: TSS101111W03

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S46638.01	Total Suspended Solids	2540 D	11/11/10 14:30	TSS101111W03

Metals, Prep Batch ID: HGD-111110-2

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S46638.01	Mercury	245.1	11/11/10 15:23	HG2-10-1111A

Metals, Prep Batch ID: MTD-111610-8

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S46638.01	Arsenic	200.8	11/16/10 20:29	MT3-10-1116A
S46638.01	Chromium	200.8	11/16/10 20:29	MT3-10-1116A
S46638.01	Copper	200.8	11/16/10 20:29	MT3-10-1116A
S46638.01	Nickel	200.8	11/16/10 20:29	MT3-10-1116A
S46638.01	Zinc	200.8	11/16/10 20:29	MT3-10-1116A

QC Report - Batch QC Results

Inorganics, Prep Batch ID: AMN101110

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

Blank (BLK)

Lab Sample ID: AMN101110.LRB1

Run in Batch: AMN101110, Run Date: 11/10/2010 16:00, Prep Date: 11/10/2010, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: AMN101110.LCS1

Run in Batch: AMN101110, Run Date: 11/10/2010 16:00, Prep Date: 11/10/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N		107	90	110

Matrix Spike (MS)

Lab Sample ID: AMN101110.MS1, Parent Sample ID: S46563.01

Run in Batch: AMN101110, Run Date: 11/10/2010 16:00, Prep Date: 11/10/2010, Matrix: Liquid, Dilution: 1

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

Duplicate (DUP)

Lab Sample ID: AMN101110.DP1, Parent Sample ID: S46544.01

Run in Batch: AMN101110, Run Date: 11/10/2010 16:00, Prep Date: 11/10/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Ammonia-N		1.2	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CN101116-W1

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

Blank (BLK)

Lab Sample ID: CN101116-W1.LRB1

Run in Batch: CN101116-W1, Run Date: 11/16/2010 10:30, Prep Date: 11/16/2010, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: CN101116-W1.LCS1

Run in Batch: CN101116-W1, Run Date: 11/16/2010 10:36, Prep Date: 11/16/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		101	90	110

Matrix Spike (MS)

Lab Sample ID: CN101116-W1.MS1, Parent Sample ID: S46634.02

Run in Batch: CN101116-W1, Run Date: 11/16/2010 10:44, Prep Date: 11/16/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		95	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: CN101116-W1.MSD1, Parent Sample ID: CN101116-W1.MS1

Run in Batch: CN101116-W1, Run Date: 11/16/2010 10:46, Prep Date: 11/16/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Amenable Cyanide		93	80	120	2	15

Duplicate (DUP)

Lab Sample ID: CN101116-W1.DP1, Parent Sample ID: S46634.02

Run in Batch: CN101116-W1, Run Date: 11/16/2010 10:42, Prep Date: 11/16/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

QC Report - Batch QC Results

Inorganics, Prep Batch ID: OGHEX101117W01

Surrogates: No, QC Types: BLK/LCS

Blank (BLK)

Lab Sample ID: OGHEX101117W01.LRB1

Run in Batch: OGHEX101117W01, Run Date: 11/17/2010 15:20, Prep Date: 11/17/2010, 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: OGHEX101117W01.LCS1

Run in Batch: OGHEX101117W01, Run Date: 11/17/2010 15:20, Prep Date: 11/17/2010, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX101117W01.LCS2

Run in Batch: OGHEX101117W01, Run Date: 11/17/2010 15:20, Prep Date: 11/17/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		86	78	114

QC Report - Batch QC Results

Inorganics, Prep Batch ID: PHS101112

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

Blank (BLK)

Lab Sample ID: PHS101112.LRB1

Run in Batch: PHS101112, Run Date: 11/12/2010 12:10, Prep Date: 11/12/2010, Matrix: Liquid, Dilution: 1

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

Blank (BLK)

Lab Sample ID: PHS101112.LRB2

Run in Batch: PHS101112, Run Date: 11/12/2010 12:17, Prep Date: 11/12/2010, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: PHS101112.LCS1

Run in Batch: PHS101112, Run Date: 11/12/2010 12:25, Prep Date: 11/12/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		93	90	110

Matrix Spike (MS)

Lab Sample ID: PHS101112.MS1, Parent Sample ID: S46613.01

Run in Batch: PHS101112, Run Date: 11/12/2010 18:37, Prep Date: 11/12/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		86	80	120

Duplicate (DUP)

Lab Sample ID: PHS101112.DP1, Parent Sample ID: S46624.03

Run in Batch: PHS101112, Run Date: 11/12/2010 18:34, Prep Date: 11/12/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Phosphorus		0.1	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: TSS101111W03

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

Blank (BLK)

Lab Sample ID: TSS101111W03.LRB1

Run in Batch: TSS101111W03, Run Date: 11/11/2010 14:30, Prep Date: 11/11/2010, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: TSS101111W03.LCS1

Run in Batch: TSS101111W03, Run Date: 11/11/2010 14:30, Prep Date: 11/11/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Suspended Solids		106	90	110

Duplicate (DUP)

Lab Sample ID: TSS101111W03.DP1, Parent Sample ID: S46626.02

Run in Batch: TSS101111W03, Run Date: 11/11/2010 14:30, Prep Date: 11/11/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Suspended Solids		0	15

QC Report - Batch QC Results

Metals, Prep Batch ID: HGD-111110-2

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

Laboratory Control Sample (LCS)

Lab Sample ID: HG2-10-1111A.043.LCS

Run in Batch: HG2-10-1111A, Run Date: 11/11/2010 15:03, Prep Date: 11/11/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		105	85	115

Blank (BLK)

Lab Sample ID: HG2-10-1111A.044.LRB

Run in Batch: HG2-10-1111A, Run Date: 11/11/2010 15:05, Prep Date: 11/11/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Mercury		ND	0.02	ug/L

Matrix Spike (MS)

Lab Sample ID: HG2-10-1111A.055.MS, Parent Sample ID: S46635.01

Run in Batch: HG2-10-1111A, Run Date: 11/11/2010 15:30, Prep Date: 11/11/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		103	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-10-1111A.056.MSD, Parent Sample ID: HG2-10-1111A.055.MS

Run in Batch: HG2-10-1111A, Run Date: 11/11/2010 15:32, Prep Date: 11/11/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury		102	80	120	1	20

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-111610-8

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

Laboratory Control Sample (LCS)

Lab Sample ID: MT3-10-1116A.073.LCS

Run in Batch: MT3-10-1116A, Run Date: 11/16/2010 18:46, Prep Date: 11/16/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		102	85	115
Chromium		100	85	115
Copper		98	85	115
Nickel		96	85	115
Zinc		96	85	115

Blank (BLK)

Lab Sample ID: MT3-10-1116A.074.LRB

Run in Batch: MT3-10-1116A, Run Date: 11/16/2010 18:51, Prep Date: 11/16/2010, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Arsenic		ND	0.0004	mg/L
Chromium		ND	0.001	mg/L
Copper		ND	0.0005	mg/L
Nickel		ND	0.001	mg/L
Zinc		ND	0.002	mg/L

Matrix Spike (MS)

Lab Sample ID: MT3-10-1116A.086.MS, Parent Sample ID: S46634.01

Run in Batch: MT3-10-1116A, Run Date: 11/16/2010 19:49, Prep Date: 11/16/2010, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		100	75	125
Chromium		97	75	125
Copper		94	75	125
Nickel		93	75	125
Zinc		96	75	125

Matrix Spike (MS)

Lab Sample ID: MT3-10-1116A.100.MS, Parent Sample ID: S46656.03

Run in Batch: MT3-10-1116A, Run Date: 11/16/2010 21:00, Prep Date: 11/16/2010, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		100	75	125
Chromium		95	75	125
Copper		90	75	125
Nickel		90	75	125
Zinc		94	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT3-10-1116A.087.MSD, Parent Sample ID: MT3-10-1116A.086.MS

Run in Batch: MT3-10-1116A, Run Date: 11/16/2010 19:54, Prep Date: 11/16/2010, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		101	75	125	1	20
Chromium		98	75	125	1	20
Copper		97	75	125	3	20
Nickel		96	75	125	3	20
Zinc		99	75	125	4	20

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-111610-8 (continued)

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

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT3-10-1116A.101.MSD, Parent Sample ID: MT3-10-1116A.100.MS

Run in Batch: MT3-10-1116A, Run Date: 11/16/2010 21:05, Prep Date: 11/16/2010, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		101	75	125	0	20
Chromium		96	75	125	1	20
Copper		90	75	125	0	20
Nickel		92	75	125	2	20
Zinc		94	75	125	0	20



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C.O.C. PAGE # 1 OF 1

041642

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: *Clifford S. Yantz*
 COMPANY: *O'Brien & Gere*
 ADDRESS: *37000 Grand River Ave #260*
 CITY: *Farmington Hills* STATE: *MI* ZIP CODE: *48335*
 PHONE NO.: *2484775701* FAX NO.: *2484775962* 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: *Coldwater Road landfill* SAMPLER(S) - PLEASE PRINT/SIGN NAME: *Clifford S. Yantz / O'Brien & Gere*

TURNAROUND TIME REQUIRED: 24 HR 48 HR 72 HR STANDARD OTHER

DELIVERABLES REQUIRED: STANDARD LEVEL II LEVEL III OTHER

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

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

# Containers & Preservatives										SPECIAL INSTRUCTIONS/NOTES
TOTAL METHODS	AVAILABLE CHLORIDE	BOD, TSS	AMMONIACAL NITROGEN	TOTAL PHOSPHORUS	FOG (Hex. Part)					
<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>					<i>metals: As, Cr, Cu, Hg, Ni, Zn Analysis per City of Flint Permit Field pH 7.47 Field Temp. 13.31°C</i>

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO3	H2SO4	NaOH	MeOH	OTHER
	DATE	End TIME										
<i>46038.01</i>	<i>11/9/10</i>	<i>14:46</i>	<i>04-PRCC-10</i>	<i>NW</i>	<i>5</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>		

RELINQUISHED BY: *[Signature]* O'Brien & Gere DATE: *11/10/10* TIME: *11:30*
 RECEIVED BY: *[Signature]* DATE: *11/10/10* TIME: *11:30*
 RELINQUISHED BY: DATE: TIME:
 RECEIVED BY: DATE: TIME:

RELINQUISHED BY: *[Signature]* DATE: *11/10/10* TIME: *15:30*
 RECEIVED BY: *[Signature]* DATE: *11/10/10* TIME: *15:30*
 SEAL NO. SEAL INTACT YES NO INITIALS: TEMP. ON ARRIVAL: *4.5*
 SEAL NO. SEAL INTACT YES NO INITIALS:

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