CBS Corporation

Environmental Remediation
PNC Center
20 Stanwix Street, 10th Floor
Pittsburgh, PA 15222

December 11, 2009

William P. Murray, P.E.
Environmental Engineer I
New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
Region 9
270 Michigan Avenue
Buffalo, NY 14203-2999

Re: Monthly Operation and Maintenance Report
NYSDEC Site 9-15-066, Cheektowaga, New York

Dear Mr. Murray:

On behalf of the Respondents to the Order on Consent and Settlement Agreement, Index No. B9-0381-91-8 (the "Order"), CBS Corporation (CBS) submits this monthly status report for operation and maintenance (O&M) activities at New York State Department of Environmental Conservation (NYSDEC) Site No. 9-15-066 in Cheektowaga, New York (the "Site"). Under an Agreement among the Respondents, CBS is managing the Remedial Program pursuant to the Order. This report covers activities during November 2009 and transmits the discharge monitoring report for this period.

1. Site Activities and Status

A. On November 5, 2009, CBS submitted to NYSDEC a monthly report on the status of O&M activities at the Site for October 2009. That status report also transmitted the discharge monitoring data for September 2009.

B. The recovery and treatment system operated throughout November 2009.

C. Conestoga-Rovers & Associates (CRA) conducted routine and non-routine O&M, and TestAmerica Laboratories, Inc. provided analytical laboratory services, as required.

2. Sampling Results and Other Site Data

A. In November 2009, the groundwater system recovered and treated an estimated 101,000 gallons.[1]

B. Attachment A provides the discharge monitoring report for November 2009 based on the effluent sample collected on November 30, 2009. Attachment B provides the analytical laboratory report for this effluent sample.

C. In reviewing the treatment system effluent monitoring information, please note the following:

- Flow data are provided via periodic on-site readings. The maximum daily flow was calculated from these data.

- The pH data are provided via periodic on-site readings and laboratory analysis of the monthly effluent sample. Effluent pH data are reported only for measurements taken while the treatment pump is operating and the system is actively discharging.

- The reported daily maximum values (pounds per day) are calculated using the maximum observed daily flow and the results of the monthly effluent monitoring, irrespective of whether the actual maximum daily flow occurred on the day of sampling.

D. For the November 2009 reporting period, the effluent complied with all discharge limitations, with the possible exception of pH. The effluent pH observed on November 25, 2009 was 8.52 compared to the effluent limitation of 8.5. The laboratory reported a pH of 8.8 in the effluent sample collected on November 30, 2009, although the field pH reading was 7.84. The geometric mean of all pH readings during November 2009 was 7.90.

3. Upcoming Activities

A. CBS will continue required O&M activities.

B. With NYSDEC approval, CBS will complete the Phase 1 closure of the 002 system by filling and sealing manholes MH-002-09 and MH-002-10.

C. After closing MH-002-09, and MH-002-10, CRA will conduct additional water level measurements, surface water monitoring, and groundwater monitoring per the *Revised Work Plan* (Rev. 1, November 7, 2008).

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[1] Based on additional information and recalculation, the estimated total discharge for October 2009 has been revised to 122,000 gallons from the 126,000 gallons as indicated in the October 2009 monthly status report.

4. Operational Problems

A. Previously reported operational problems associated with elevated pH, pH control, hardness, and inflow continue. These operational problems are expected to be largely resolved with the phased shutdown of the collection system and limitation of inflows to those associated with Sump 003.

B. The post-closure monitoring data indicate that the Phase 1 closure of the 001 groundwater collection system has effectively addressed the previously observed high water levels at Sump 001, which had led to periodic overtopping of that manhole. The ongoing periodic overtopping at Sump 002 will be addressed through the partial closure of that segment of the groundwater collection system.

C. The Phase 1 closure of the 002 system is also expected to reduce the conveyance of groundwater containing VOCs compounds via storm sewers installed by the Niagara Frontier Transportation Authority as part of airport development.

* * * *

Please contact me if you have questions regarding this status report.

Very truly yours,

Leo M. Brausch
Consultant/Project Engineer

LMB:
Attachments

cc: K. P. Lynch, CRA
K. Minkel, NFTA

ATTACHMENT A

DISCHARGE MONITORING REPORT
NOVEMBER 2009

Discharge Monitoring Data
Outfall 001 - Treated Groundwater Remediation Discharge
NYSDEC Site No. 9-15-006
Cheektowaga, New York

Reporting Month & Year **Nov-09**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		**3,445**	**gpd**		**Continuous**	**Meter**
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	**7.15**	**8.80**	**s.u.**		**6**	**Grab**
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		**< 4.0**	**mg/L**	**< 0.1**	**1**	**Grab**
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00003**	**1**	**Grab**
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00003**	**1**	**Grab**
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00003**	**1**	**Grab**
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00003**	**1**	**Grab**
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00003**	**1**	**Grab**
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00003**	**1**	**Grab**
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		**< 0.15**	**ug/L**	**< 0.000004**	**1**	**Grab**
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		**2.8**	**ug/L**	**0.000080**	**1**	**Grab**
	Discharge Limitation		99	ug/L		Monthly	Grab

ATTACHMENT B

ANALYTICAL LABORATORY REPORT
NOVEMBER 2009 EFFLUENT SAMPLING

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH BUF

Leo Brausch Buffalo Airport

Lot #: C9L010538

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.

Carrie L. Gamber
Project Manager

December 9, 2009

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
NFESC	NA	NAVY	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#88-0690)	WW	X
		HW	X
California – NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E871008-04)	WW	X
		HW	X
Illinois – NELAC	(#002064)	WW	X
		HW	X
Kansas – NELAC	(#E-10350)	WW	X
		HW	X
Louisiana – NELAC	(#04041)	WW	X
		HW	X
New Hampshire – NELAC	(#203008)	WW	X
		–	–
New Jersey – NELAC	(PA-005)	WW	X
		HW	X
New York – NELAC	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014002)	WW	X
		HW	X
Utah – NELAC	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 2/5/2009 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

CASE NARRATIVE

Leo Brausch Consulting

Lot # C9L010538

Sample Receiving:
TestAmerica's Pittsburgh laboratory received one sample on December 1, 2009. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Volatiles:
TestAmerica's North Canton performed the 624 analysis.

The method blank had analytes detected at concentrations between the MDL and the reporting limit. The results were flagged with a "J" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "B" qualifier.

Metals:
There were no problems associated with the analysis.

General Chemistry:
The test for pH is a field parameter. The laboratory pH analysis was completed at the request of the client.

C9L010538

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES	SHIPPED TO (Laboratory Name):	REFERENCE NUMBER:
2055 Niagara Falls Blvd Niagara Falls NY 14304	Test America pitts	018036 Buff Airport Vic Con

SAMPLER'S SIGNATURE: _____ PRINTED NAME: _____

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	VOC Lic PARAMETERS	Cd Cr	Pb Tss								REMARKS
	11Bu05	8:41	EFF 1109	water	5	3	1	1								
TOTAL NUMBER OF CONTAINERS					5	HEALTH/CHEMICAL HAZARDS										

RELINQUISHED BY: ①	DATE: 11-30-05 TIME: 5:41	RECEIVED BY: ①	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: WAY BILL No.

White	—Fully Executed Copy
Yellow	—Receiving Laboratory Copy
Pink	—Shipper Copy
Goldenrod	—Sampler Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY:
DATE: 12/1/09 TIME: 1020

Nº CRA 15352

1001 (D) APR 28/97(NF) REV. 0 (F-15)

METHODS SUMMARY

C9L010538

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH (Electrometric)	SM20 4500-H+B	SM20 4500-H B
Purgeables	CFR136A 624	SW846 5030B
Total Suspended Solids SM 2540 D	SM20 2540D	SM20 2540D
Trace Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7	MCAWW 200.7

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SM20 "STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER", 20TH EDITION."

SAMPLE SUMMARY

C9L010538

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LQATA	001	EFF1109	11/30/09	08:41

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Leo Brausch Consulting

Client Sample ID: EFF1109

GC/MS Volatiles

Lot-Sample #...: C9L010538-001 **Work Order #...:** LQATA1AD **Matrix.....:** WATER
Date Sampled...: 11/30/09 **Date Received..:** 12/01/09 **MS Run #.....:** 9338233
Prep Date.....: 12/04/09 **Analysis Date..:** 12/04/09
Prep Batch #...: 9338405 **Analysis Time..:** 05:32
Dilution Factor: 1

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dichlorobenzene	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.33
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
Trichloroethene	ND	1.0	ug/L	0.17

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	104	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	96	(81 - 112)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9L010538 **Work Order #...:** LQJVN1AA **Matrix.....:** WATER
MB Lot-Sample #: A9L040000-405
Prep Date.....: 12/03/09 **Analysis Time..:** 18:10
Analysis Date..: 12/03/09 **Prep Batch #...:** 9338405
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dichlorobenzene	ND	1.0	ug/L	CFR136A 624
Toluene	ND	1.0	ug/L	CFR136A 624
Methylene chloride	ND	1.0	ug/L	CFR136A 624
Tetrachloroethene	ND	1.0	ug/L	CFR136A 624
Trichloroethene	ND	1.0	ug/L	CFR136A 624
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	96	(81 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9L010538 **Work Order #...:** LQJVN1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9L040000-405
Prep Date.....: 12/03/09 **Analysis Date..:** 12/03/09
Prep Batch #...: 9338405 **Analysis Time..:** 17:46
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,2-Dichlorobenzene	99	(18 - 190)	CFR136A 624
Methylene chloride	90	(10 - 221)	CFR136A 624
Tetrachloroethene	115	(64 - 148)	CFR136A 624
Toluene	101	(47 - 150)	CFR136A 624
Trichloroethene	116	(71 - 157)	CFR136A 624
Benzene	105	(37 - 151)	CFR136A 624
Bromodichloromethane	116	(35 - 155)	CFR136A 624
Bromoform	90	(45 - 169)	CFR136A 624
Bromomethane	72	(10 - 242)	CFR136A 624
Carbon tetrachloride	124	(70 - 140)	CFR136A 624
Chlorobenzene	102	(37 - 160)	CFR136A 624
Chloroethane	70	(14 - 230)	CFR136A 624
2-Chloroethyl vinyl ether	80	(10 - 305)	CFR136A 624
Chloroform	111	(51 - 138)	CFR136A 624
Chloromethane	109	(10 - 273)	CFR136A 624
Dibromochloromethane	95	(53 - 149)	CFR136A 624
1,3-Dichlorobenzene	96	(59 - 156)	CFR136A 624
1,4-Dichlorobenzene	95	(18 - 190)	CFR136A 624
1,1-Dichloroethane	108	(59 - 155)	CFR136A 624
1,2-Dichloroethane	105	(49 - 155)	CFR136A 624
1,1-Dichloroethene	116	(10 - 234)	CFR136A 624
trans-1,2-Dichloroethene	106	(54 - 156)	CFR136A 624
1,2-Dichloropropane	106	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	106	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	105	(17 - 183)	CFR136A 624
Ethylbenzene	99	(37 - 162)	CFR136A 624
1,1,2,2-Tetrachloroethane	97	(46 - 157)	CFR136A 624
1,1,1-Trichloroethane	116	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	105	(52 - 150)	CFR136A 624
Trichlorofluoromethane	112	(17 - 181)	CFR136A 624
Vinyl chloride	97	(10 - 251)	CFR136A 624

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9L010538 **Work Order #...:** LQJVN1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9L040000-405

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(80 - 125)
Toluene-d8	104	(84 - 110)
Bromofluorobenzene	102	(81 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: C9L010538 **Work Order #...:** LQDCV1AC **Matrix.....:** WATER
MS Lot-Sample #: A9L020497-010
Date Sampled...: 12/02/09 **Date Received..:** 12/02/09
Prep Date.....: 12/04/09 **Analysis Date..:** 12/04/09
Prep Batch #...: 9338405 **MS Run #.....:** 9338233
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,2-Dichlorobenzene	**93**	**(90 - 115)**	**CFR136A 624**
Methylene chloride	**85**	**(78 - 131)**	**CFR136A 624**
Tetrachloroethene	**105**	**(81 - 112)**	**CFR136A 624**
Toluene	**98**	**(87 - 112)**	**CFR136A 624**
Trichloroethene	**111**	**(85 - 114)**	**CFR136A 624**
Benzene	**101**	**(90 - 114)**	**CFR136A 624**
Bromodichloromethane	**101**	**(78 - 123)**	**CFR136A 624**
Bromoform	**75**	**(40 - 141)**	**CFR136A 624**
Bromomethane	**69**	**(42 - 160)**	**CFR136A 624**
Carbon tetrachloride	**102**	**(61 - 129)**	**CFR136A 624**
Chlorobenzene	**96**	**(90 - 113)**	**CFR136A 624**
Chloroethane	**68**	**(56 - 133)**	**CFR136A 624**
2-Chloroethyl vinyl ether	**77**	**(10 - 185)**	**CFR136A 624**
Chloroform	**106**	**(90 - 118)**	**CFR136A 624**
Chloromethane	**102**	**(37 - 127)**	**CFR136A 624**
Dibromochloromethane	**79**	**(65 - 123)**	**CFR136A 624**
1,3-Dichlorobenzene	**91**	**(90 - 111)**	**CFR136A 624**
1,4-Dichlorobenzene	**89 a**	**(90 - 112)**	**CFR136A 624**
1,1-Dichloroethane	**106**	**(90 - 114)**	**CFR136A 624**
1,2-Dichloroethane	**101**	**(90 - 123)**	**CFR136A 624**
1,1-Dichloroethene	**105**	**(83 - 129)**	**CFR136A 624**
trans-1,2-Dichloroethene	**103**	**(85 - 116)**	**CFR136A 624**
1,2-Dichloropropane	**98**	**(87 - 119)**	**CFR136A 624**
cis-1,3-Dichloropropene	**90**	**(77 - 115)**	**CFR136A 624**
trans-1,3-Dichloropropene	**86**	**(71 - 114)**	**CFR136A 624**
Ethylbenzene	**93**	**(88 - 111)**	**CFR136A 624**
1,1,2,2-Tetrachloroethane	**91**	**(77 - 133)**	**CFR136A 624**
1,1,1-Trichloroethane	**106**	**(82 - 119)**	**CFR136A 624**
1,1,2-Trichloroethane	**100**	**(89 - 123)**	**CFR136A 624**
Trichlorofluoromethane	**98**	**(62 - 110)**	**CFR136A 624**
Vinyl chloride	**93**	**(50 - 119)**	**CFR136A 624**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	100	(81 - 112)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: C9L010538 **Work Order #...:** LQDCV1AC **Matrix.....:** WATER
MS Lot-Sample #: A9L020497-010

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Leo Brausch Consulting

Client Sample ID: EFF1109

TOTAL Metals

Lot-Sample #...: C9L010538-001 **Matrix.....:** WATER
Date Sampled...: 11/30/09 **Date Received..:** 12/01/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9337212						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	12/03/09	LQATA1AA
		Dilution Factor: 1		Analysis Time..: 21:16	MS Run #.....: 9337107	
		MDL.....: 0.15				
Chromium	**2.8 B**	**5.0**	**ug/L**	**MCAWW 200.7**	**12/03/09**	**LQATA1AC**
		Dilution Factor: 1		Analysis Time..: 21:16	MS Run #.....: 9337107	
		MDL.....: 0.51				

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C9L010538 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C9L030000-212 **Prep Batch #...:** 9337212						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	12/03/09	LQE241AA
		Dilution Factor: 1				
		Analysis Time..: 21:00				
Chromium	ND	5.0	ug/L	MCAWW 200.7	12/03/09	LQE241AC
		Dilution Factor: 1				
		Analysis Time..: 21:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C9L010538 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C9L030000-212 **Prep Batch #...:** 9337212					
Cadmium	104	(85 - 115)	MCAWW 200.7	12/03/09	LQE241AD
		Dilution Factor: 1	Analysis Time..: 21:05		
Chromium	103	(85 - 115)	MCAWW 200.7	12/03/09	LQE241AE
		Dilution Factor: 1	Analysis Time..: 21:05		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C9L010538 **Matrix.....:** WATER
Date Sampled...: 11/30/09 **Date Received..:** 12/01/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C9L010538-001 **Prep Batch #...:** 9337212							
Cadmium	105	(70 - 130)			MCAWW 200.7	12/03/09	LQATA1AH
	104	(70 - 130)	0.88	(0-20)	MCAWW 200.7	12/03/09	LQATA1AJ
		Dilution Factor: 1					
		Analysis Time..: 21:27					
		MS Run #.....: 9337107					
Chromium	103	(70 - 130)			MCAWW 200.7	12/03/09	LQATA1AK
	103	(70 - 130)	0.37	(0-20)	MCAWW 200.7	12/03/09	LQATA1AL
		Dilution Factor: 1					
		Analysis Time..: 21:27					
		MS Run #.....: 9337107					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Leo Brausch Consulting

Client Sample ID: EFF1109

General Chemistry

Lot-Sample #...: C9L010538-001 **Work Order #...:** LQATA **Matrix.....:** WATER
Date Sampled...: 11/30/09 **Date Received..:** 12/01/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**8.8**	--	--	**SM20 4500-H+B**	**12/01/09**	**9335528**
		Dilution Factor: 1		Analysis Time..: 20:34	MS Run #.....: 9335309	
		MDL.....: 0.0				
Total Suspended Solids	ND	4.0	mg/L	SM20 2540D	12/02/09	9336111
		Dilution Factor: 1		Analysis Time..: 15:40	MS Run #.....: 9336065	
		MDL.....: 2.0				

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C9L010538 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: LQCED1AA		MB Lot-Sample #:	C9L020000-111	
	ND	4.0	mg/L	SM20 2540D	12/02/09	9336111
		Dilution Factor: 1				
		Analysis Time..: 15:40				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: C9L010538 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH		Work Order #: LQA501AA	LCS Lot-Sample#: C9L010000-528		
	100	(99 - 101)	SM20 4500-H+B	12/01/09	9335528
		Dilution Factor: 1	Analysis Time..: 20:32		
Total Suspended Solids		Work Order #: LQCED1AC	LCS Lot-Sample#: C9L020000-111		
	93	(80 - 120)	SM20 2540D	12/02/09	9336111
		Dilution Factor: 1	Analysis Time..: 15:40		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C9L010538 **Work Order #...:** LQATA-SMP LQATA-DUP **Matrix.....:** WATER

Date Sampled...: 11/30/09 **Date Received..:** 12/01/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH						SD Lot-Sample #: C9L010538-001		
	8.8	8.8	--	0.0	(0-2.0)	SM20 4500-H+B	12/01/09	9335528

Dilution Factor: 1 Analysis Time..: 20:34 MS Run Number..: 9335309

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C9L010538 **Work Order #...:** LP9AW-SMP LP9AW-DUP **Matrix.....:** WATER

Date Sampled...: 11/30/09 **Date Received..:** 11/30/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: C9K300456-001		
	35.0	37.5	mg/L	6.9	(0-20)	SM20 2540D	12/02/09	9336111

Dilution Factor: 1 Analysis Time..: 15:40 MS Run Number..: 9336065