



CBS Corporation

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

June 15, 2010

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 May 2010 and transmits the discharge monitoring report for this reporting period.

1. Site Activities and Status

- A. On May 12, 2010, CBS submitted to NYSDEC a monthly report on the status of O&M activities at the Site for the April 2010 operating period. That status report also transmitted the discharge monitoring data for April 2010.
- B. The recovery and treatment system operated throughout May 2010. The system apparently was affected by an electrical surge that occurred on May 24, 2010 that caused a malfunction of the ultrasonic level sensor in the flow equalization tank and damage to other electrical controls. Because of these control failures, the system was operated only while attended between May 24

and May 31, 2010. Replacement parts were ordered and installed, and the system was restarted on June 10, 2010.

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

2. Sampling Results and Other Site Data

- A. In May 2010, the groundwater system recovered and treated an estimated 64,000 gallons. The low flow is in part due to the partial closure of the 001 portion of the groundwater collection system and the reduced flow over the timeframe of May 24 through May 31, 2010 (see Item 1.B., above).
- B. Attachment A provides the discharge monitoring report for May 2010 based on the effluent sample collected on May 31, 2010, and Attachment B includes the analytical laboratory report for this effluent sample.
- C. In reviewing the treatment system effluent monitoring information, please note the following:
- The flow data are provided via 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 (interpolated) 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 May 2010 reporting period, the effluent sampling results complied with all discharge limitations.

3. Upcoming Activities

- A. CBS will continue required O&M activities.
- B. CRA will clean the influent line from Sump 003, which has become clogged with precipitate.

- C. In June 2010, CRA will conduct semi-annual groundwater sampling, which includes well MW-32 and wells in the southern portion of the Site.
- D. CRA will conduct the quarterly sampling of treatment system influent.
- E. 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.
- F. 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).

4. Operational Problems

- A. Previously reported operational problems associated with elevated pH, pH control, and hardness 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. Previously reported operational problems associated system inflows are lessening with the minimal flows associated with Sump 001 now that the 001 portion of the groundwater collection system has been partially closed.
- C. The post-closure monitoring data indicate that the Phase 1 closure of the 001 groundwater collection system has 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 portion of the groundwater collection system.
- D. 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.
- E. Other operational issues (see Items 1.B. and 3.B above) are being addressed on the course of O&M activities.

* * * *

We trust this submittal satisfies your requirements at this time. If you have questions regarding this status report, please contact me.

William P. Murray, P.E.

June 15, 2010

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Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Leo M. Brausch', with a large, sweeping flourish extending to the right.

Leo M. Brausch
Consultant/Project Engineer

LMB:
Attachments

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

ATTACHMENT A
DISCHARGE MONITORING REPORT
MAY 2010

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

Reporting Month & Year **May-10**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		4,750	gpd		Continuous	Meter
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	7.22	7.85	s.u.		6	Grab
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		< 4.0	mg/L	< 0.2	1	Grab
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		< 1.0	ug/L	< 0.00004	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		< 1.0	ug/L	< 0.00004	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		< 1.0	ug/L	< 0.00004	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00004	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00004	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00004	1	Grab
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		< 0.15	ug/L	< 0.000006	1	Grab
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		2.9	ug/L	0.00011	1	Grab
	Discharge Limitation		99	ug/L		Monthly	Grab

ATTACHMENT B
ANALYTICAL LABORATORY REPORT
EFFLUENT SAMPLING - MAY 2010

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH BUF

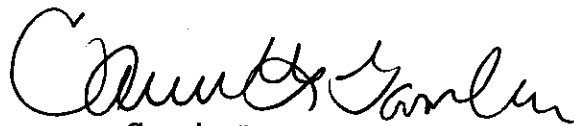
Leo Brausch Buffalo Airport

Lot #: C0F020432

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.



Carrie L. Gamber
Project Manager

June 14, 2010



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
DoD ELAP	ADE-1442	WW HW	X
US Dept of Agriculture Arkansas	(#P330-10-00139) (#88-0690)	Foreign Soil Import Permit	X
California – NELAC	04224CA	WW HW	X X
Connecticut	(#PH-0688)	WW HW	X X
Florida – NELAC	(#E871008)	WW HW	X X
Illinois – NELAC	(#002319)	WW HW	X X
Kansas – NELAC	(#E-10350)	WW HW	X X
Louisiana – NELAC	(#04041)	WW HW	X X
New Hampshire – NELAC	(#203010)	WW –	X –
New Jersey – NELAC	(PA-005)	WW HW	X X
New York – NELAC	(#11182)	WW HW	X X
North Carolina	(#434)	WW HW	X X
Pennsylvania - NELAC	(#02-00416)	WW HW	X X
South Carolina	(#89014002)	WW HW	X X
Utah – NELAC	(STLP)	WW HW	X X
West Virginia	(#142)	WW HW	X X
Wisconsin	998027800	WW HW	X 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: 05/19/10 N:\Reporting\NELAC NARRATIVE Pttsburgh_Updated 051910.doc

CASE NARRATIVE

Leo Brausch Consulting

Lot # C0F020432

Sample Receiving:

TestAmerica's Pittsburgh laboratory received one sample on June 2, 2010. 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 laboratory performed the 624 analysis. The results are included in the report.

The matrix spike recovered outside control limits for trichloroethene, 2-chloroethyl vinyl ether and trans-1, 3-dichloropropene.

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.

METHODS SUMMARY

C0F020432

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
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

C0F020432

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
L2CVV	001	EFF0510	05/31/10	21:00

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 filler test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Leo Brausch Consulting

Client Sample ID: EFF0510

GC/MS Volatiles

Lot-Sample #...: C0F020432-001 Work Order #...: L2CVV1AD Matrix.....: WATER
Date Sampled...: 05/31/10 Date Received..: 06/02/10 MS Run #.....: 0158202
Prep Date.....: 06/05/10 Analysis Date..: 06/05/10
Prep Batch #...: 0158331 Analysis Time..: 01:44
Dilution Factor: 1
Method.....: CFR136A 624

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
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
	<u>PERCENT</u>	<u>RECOVERY</u>		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
1,2-Dichloroethane-d4	102	(80 - 125)		
Toluene-d8	99	(84 - 110)		
Bromofluorobenzene	83	(81 - 112)		

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C0F020432
MB Lot-Sample #: A0F070000-331
Analysis Date...: 06/04/10
Dilution Factor: 1

Work Order #...: L2KDQ1AA
Prep Date.....: 06/04/10
Prep Batch #...: 0158331

Matrix.....: WATER
Analysis Time...: 17:25

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	99	(80 - 125)
Toluene-d8	100	(84 - 110)
Bromofluorobenzene	86	(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 #...: C0F020432 Work Order #...: L2KDQ1AC Matrix.....: WATER
 LCS Lot-Sample#: A0F070000-331
 Prep Date.....: 06/04/10 Analysis Date...: 06/04/10
 Prep Batch #...: 0158331 Analysis Time...: 17:01
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
1,2-Dichlorobenzene	102	(18 - 190)	CFR136A 624
Methylene chloride	78	(10 - 221)	CFR136A 624
Tetrachloroethene	121	(64 - 148)	CFR136A 624
Toluene	104	(47 - 150)	CFR136A 624
Trichloroethene	116	(71 - 157)	CFR136A 624
Benzene	104	(37 - 151)	CFR136A 624
Bromodichloromethane	113	(35 - 155)	CFR136A 624
Bromoform	97	(45 - 169)	CFR136A 624
Bromomethane	74	(10 - 242)	CFR136A 624
Carbon tetrachloride	127	(70 - 140)	CFR136A 624
Chlorobenzene	105	(37 - 160)	CFR136A 624
Chloroethane	72	(14 - 230)	CFR136A 624
2-Chloroethyl vinyl ether	59	(10 - 305)	CFR136A 624
Chloroform	108	(51 - 138)	CFR136A 624
Chloromethane	82	(10 - 273)	CFR136A 624
Dibromochloromethane	97	(53 - 149)	CFR136A 624
1,3-Dichlorobenzene	103	(59 - 156)	CFR136A 624
1,4-Dichlorobenzene	101	(18 - 190)	CFR136A 624
1,1-Dichloroethane	105	(59 - 155)	CFR136A 624
1,2-Dichloroethane	98	(49 - 155)	CFR136A 624
1,1-Dichloroethene	95	(10 - 234)	CFR136A 624
trans-1,2-Dichloroethene	98	(54 - 156)	CFR136A 624
1,2-Dichloropropane	100	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	94	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	84	(17 - 183)	CFR136A 624
Ethylbenzene	99	(37 - 162)	CFR136A 624
1,1,2,2-Tetrachloroethane	85	(46 - 157)	CFR136A 624
1,1,1-Trichloroethane	112	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	101	(52 - 150)	CFR136A 624
Trichlorofluoromethane	99	(17 - 181)	CFR136A 624
Vinyl chloride	81	(10 - 251)	CFR136A 624

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C0F020432 Work Order #...: L2KDQ1AC Matrix.....: WATER
LCS Lot-Sample#: A0F070000-331

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichloroethane-d4	96	(80 - 125)
Toluene-d8	105	(84 - 110)
Bromofluorobenzene	95	(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 #...: C0F020432 Work Order #...: L2CVV1AL Matrix.....: WATER
 MS Lot-Sample #: C0F020432-001
 Date Sampled...: 05/31/10 Date Received...: 06/02/10
 Prep Date.....: 06/05/10 Analysis Date...: 06/05/10
 Prep Batch #...: 0158331 MS Run #.....: 0158202
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
1,2-Dichlorobenzene	98	(90 - 115)	CFR136A 624
Methylene chloride	80	(78 - 131)	CFR136A 624
Tetrachloroethene	110	(81 - 112)	CFR136A 624
Toluene	103	(87 - 112)	CFR136A 624
Trichloroethene	115 a	(85 - 114)	CFR136A 624
Benzene	104	(90 - 114)	CFR136A 624
Bromodichloromethane	94	(78 - 123)	CFR136A 624
Bromoform	67	(40 - 141)	CFR136A 624
Bromomethane	79	(42 - 160)	CFR136A 624
Carbon tetrachloride	91	(61 - 129)	CFR136A 624
Chlorobenzene	102	(90 - 113)	CFR136A 624
Chloroethane	74	(56 - 133)	CFR136A 624
2-Chloroethyl vinyl ether	0.0 a	(10 - 185)	CFR136A 624
Chloroform	111	(90 - 118)	CFR136A 624
Chloromethane	82	(37 - 127)	CFR136A 624
Dibromochloromethane	70	(65 - 123)	CFR136A 624
1,3-Dichlorobenzene	99	(90 - 111)	CFR136A 624
1,4-Dichlorobenzene	97	(90 - 112)	CFR136A 624
1,1-Dichloroethane	105	(90 - 114)	CFR136A 624
1,2-Dichloroethane	102	(90 - 123)	CFR136A 624
1,1-Dichloroethene	96	(83 - 129)	CFR136A 624
trans-1,2-Dichloroethene	98	(85 - 116)	CFR136A 624
1,2-Dichloropropane	103	(87 - 119)	CFR136A 624
cis-1,3-Dichloropropene	77	(77 - 115)	CFR136A 624
trans-1,3-Dichloropropene	65 a	(71 - 114)	CFR136A 624
Ethylbenzene	96	(88 - 111)	CFR136A 624
1,1,2,2-Tetrachloroethane	90	(77 - 133)	CFR136A 624
1,1,1-Trichloroethane	97	(82 - 119)	CFR136A 624
1,1,2-Trichloroethane	102	(89 - 123)	CFR136A 624
Trichlorofluoromethane	92	(62 - 110)	CFR136A 624
Vinyl chloride	78	(50 - 119)	CFR136A 624

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
1,2-Dichloroethane-d4	109	(80 - 125)
Toluene-d8	101	(84 - 110)
Bromofluorobenzene	96	(81 - 112)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: C0F020432

Work Order #...: L2CVV1AL

Matrix.....: WATER

MS Lot-Sample #: C0F020432-001

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: EFF0510

TOTAL Metals

Lot-Sample #...: C0F020432-001

Matrix.....: WATER

Date Sampled...: 05/31/10

Date Received...: 06/02/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #...: 0154099						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	06/03-06/04/10	L2CVV1AA
		Dilution Factor: 1		Analysis Time..: 14:06	MS Run #.....: 0154045	
		MDL.....: 0.15				
Chromium	2.9 B	5.0	ug/L	MCAWW 200.7	06/03-06/04/10	L2CVV1AC
		Dilution Factor: 1		Analysis Time..: 14:06	MS Run #.....: 0154045	
		MDL.....: 0.51				

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0F020432

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
MB Lot-Sample #: C0F030000-099		Prep Batch #... : 0154099				
Cadmium	ND	5.0	ug/L	MCAWW 200.7	06/03-06/04/10	L2DVV1AA
		Dilution Factor: 1				
		Analysis Time..: 13:48				
Chromium	ND	5.0	ug/L	MCAWW 200.7	06/03-06/04/10	L2DVV1AC
		Dilution Factor: 1				
		Analysis Time..: 13:48				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0F020432

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
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LCS Lot-Sample#: C0F030000-099 Prep Batch #...: 0154099

Cadmium	102	(85 - 115)	MCAWW 200.7	06/03-06/04/10	L2DVV1AD
		Dilution Factor: 1		Analysis Time..: 13:53	

Chromium	103	(85 - 115)	MCAWW 200.7	06/03-06/04/10	L2DVV1AE
		Dilution Factor: 1		Analysis Time..: 13:53	

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0F020432

Matrix.....: WATER

Date Sampled...: 05/31/10

Date Received...: 06/02/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
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MS Lot-Sample #: C0F020432-001 **Prep Batch #...**: 0154099

Cadmium	98	(70 - 130)			MCAWW 200.7	06/03-06/04/10	L2CVV1AG
	100	(70 - 130)	2.5	(0-20)	MCAWW 200.7	06/03-06/04/10	L2CVV1AH

Dilution Factor: 1
 Analysis Time...: 14:14
 MS Run #.....: 0154045

Chromium	101	(70 - 130)			MCAWW 200.7	06/03-06/04/10	L2CVV1AJ
	104	(70 - 130)	3.0	(0-20)	MCAWW 200.7	06/03-06/04/10	L2CVV1AK

Dilution Factor: 1
 Analysis Time...: 14:14
 MS Run #.....: 0154045

NOTE(S):

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

Leo Brausch Consulting

Client Sample ID: EFF0510

General Chemistry

Lot-Sample #...: C0F020432-001

Work Order #...: L2CVV

Matrix.....: WATER

Date Sampled...: 05/31/10

Date Received..: 06/02/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.6	--	--	SM20 4500-H+B	06/03/10	0154270
		Dilution Factor: 1		Analysis Time..: 14:40	MS Run #.....: 0154147	
		MDL.....: 0.0				
Total Suspended Solids	ND	4.0	mg/L	SM20 2540D	06/03-06/04/10	0154215
		Dilution Factor: 1		Analysis Time..: 08:00	MS Run #.....: 0154112	
		MDL.....: 2.0				

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C0F020432

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Suspended Solids	ND	4.0	mg/L	SM20 2540D	06/03-06/04/10	0154215
		Work Order #: L2D9A1AA		MB Lot-Sample #: C0F030000-215		
		Dilution Factor: 1				
		Analysis Time..: 08:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: C0F020432

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	100	(99 - 101)	SM20 4500-H+B	06/03/10	0154270
		Dilution Factor: 1		Analysis Time..: 14:32	
Total Suspended Solids	97	(80 - 120)	SM20 2540D	06/03-06/04/10	0154215
		Dilution Factor: 1		Analysis Time..: 08:00	

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C0F020432

Work Order #...: L2D1W-SMP
L2D1W-DUP

Matrix.....: WATER

Date Sampled...: 06/02/10

Date Received..: 06/03/10

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD LIMIT</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Suspended Solids	15.6	14.0	mg/L	11	(0-20)	SM20 2540D	06/03-06/04/10	0154215
						SD Lot-Sample #: C0F030416-001		
				Dilution Factor: 1	Analysis Time.: 08:00		MS Run Number.: 0154112	

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C0F020432

Work Order #...: L2CJ4-SMP
L2CJ4-DUP

Matrix.....: WATER

Date Sampled...: 06/01/10

Date Received..: 06/02/10

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD LIMIT</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	5.7	5.7	--	0.0	(0-2.0)	SM20 4500-H+B	06/03/10	0154270
			Dilution Factor: 1			Analysis Time..: 14:34	MS Run Number..: 0154147	
						SD Lot-Sample #: C0F020407-001		