



CBS Corporation

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

July 6, 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 report on the status of 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 defined in the Order. This report covers activities during the period of June 1 through June 30, 2009 and transmits the discharge monitoring report for this period.

1. Site Activities and Status

- A. On June 8, 2009, CBS submitted to NYSDEC a monthly report on the status of both routine and non-routine O&M activities at the Site for the May 2009 operating period. That status report also transmitted the discharge monitoring data for May 2009.
- B. The recovery and treatment system operated throughout the June 2009 reporting period.
- C. Conestoga-Rovers & Associates (CRA) conducted routine O&M on behalf of CBS, and Severn Trent Laboratories, Inc. provided analytical laboratory services.
- D. CRA collected the quarterly groundwater sample from well MW-32.

2. Sampling Results and Other Site Data

- A. In June 2009, the groundwater system recovered and treated an estimated 331,000 gallons.¹
- B. Attachment A provides the discharge monitoring report for June 2009 based on effluent sample collected on June 12, 2009. Attachment B includes the analytical laboratory report for the effluent sample collected on June 12, 2009.
- 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 on-site readings and laboratory analysis of the monthly effluent sample. 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 June 2009 reporting period, the effluent complied with all discharge limitations.
- E. Table 1 presents the results of influent sampling data, including the most recent influent sample collected on June 12, 2009. Attachment B includes the analytical laboratory report for this influent sample.

3. Upcoming Activities

- A. CBS will continue required O&M activities.
- B. CBS plans to implement the shutdown of the portion of the groundwater collection system that drains to Sump 001, pursuant to prior correspondence and approvals of NYSDEC. CBS is currently working with the Niagara Frontier Transportation Authority to schedule the work within the restricted area of the Buffalo Niagara International Airport.

¹ Based on additional information and recalculation, the estimated total discharge for May 2009 has been revised to 154,000 gallons from the 160,000 gallons as indicated in the May 2009 monthly status report.

William P. Murray, P.E.

July 6, 2009

Page 3

4. Operational Problems

- A. Previously reported operational problems associated with elevated pH, hardness, and inflow continue. These operational problems are expected to be largely resolved with the phased shutdown of the collection and treatment system and limitation of inflows to those associated with Sump 003.
- B. As previously observed by and described to NYSDEC, the water levels in Sumps 001 and 002 have risen to the point where the water overtops these manholes during period of high precipitation. This situation will be remedied through closure of these portions of the groundwater collection system.

* * * *

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

Respectfully submitted,



Leo M. Brausch
Consultant/Project Engineer

LMB:

Attachments

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

TABLE

**Table 1
Summary of Treatment System
Influent Monitoring Data**

Date of Sampling	Outfall	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
08/21/00	Composite	200 U	200 U	200 U	3,100	200 U	1.5	NA
08/29/00	Composite	200 U	200 U	200 U	8,500	200 U	0.7	NA
09/06/00	Composite	200 U	200 U	200 U	4,100	200 U	0.7 U	NA
09/13/00	Composite	400 U	400 U	400 U	9,600	400 U	1.6	NA
09/20/00	Composite	54 J	100 U	100 U	2,500	100 U	0.6 U	NA
09/27/00	Composite	100 U	100 U	100 U	2,200	100 U	0.68 B	NA
10/04/00	Composite	60 J	100 U	100 U	2,500	100 U	0.69 B	NA
10/10/00	Composite	23 J	25 U	25 U	430	25 U	0.5 U	NA
03/29/01	Composite	9.1 J	10 U	1.4 J	16	10 U	1.5	2.5 U
06/26/01	001	25	4.5 U	0.9 J	37	4.5 U	448	NA
06/26/01	002	16	4.5 U	2.3 J	280	4.5 U	3.0 U	NA
06/26/01	003	510	4.5 U	4.5 J	1,700	4.5 U	3.0 U	NA
09/29/01	Comp - Perm	18	25 U	4 J	8.3 J	10 U	0.25 U	7.4
09/29/01	Comp - Temp	14 J	25 U	25 U	350	25 U	0.25 U	8.7
12/21/01	Composite	14	10 U	10 U	130	10 U	1.7	4.1 U
03/14/02	Composite	18	10 U	10 U	130	10 U	0.29	4.5
10/15/02	Composite	11.3	530	9.0	990	16	5 U	NA
12/15/02	Composite	7.3	19	0.16	46	1.3	8.4	50 U
03/15/03	Composite	7.8	14	1.0	29	NA	21	3 U
06/11/03	Composite	11.0	130	64	570	25 U	4.2	5.5
09/09/03	Composite	8.6	290	25 U	620	15	3.0	3.5
12/10/03	Composite	8.6	54	25 U	430	25 U	2.5	3.0
03/12/04	Composite	7.7	51	2.0 U	3.9	2.0 U	1.4	1.6
06/09/04	Composite	8.3	54	40 U	650	40 U	1.8	6.8
09/13/04	Composite	10.3	98	10 U	250	10 U	1.8	2.2
12/13/04	Composite	140	4.4 J	20 U	470	20 U	0.81 B	1.6 B

**Table 1
Summary of Treatment System
Influent Monitoring Data**

Date of Sampling	Outfall	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
03/23/05	Composite	46	15 U	15 U	250	15 U	2.1 B	1.5 U
06/09/05	Composite	100	15 U	15 U	1,200	5.4 J	1.2 B	3.0 U
10/03/05	Composite	26	1.0 U	2.0	8.6	11	5.0 U	3.0 U
12/16/05	Composite	34	5.0 U	5.0 U	140	3.5 J	0.68 B	3.0 U
03/13/06	Composite	36	10 U	10 U	190	2.6 J	0.95 B	2.0 B
05/09/06	Composite	87	10 U	10 U	710	5.6 J	1.0 B	3.0 U
06/12/06	Composite	72	3.3 U	3.3 U	190	4.0 J	0.72 B	3.0 U
09/11/06	Composite	16	5.0 U	5.0 U	85	5 U	0.47 B	2.0 B
12/11/06	Composite	14	5.0 U	5.0 U	71	1.8 J	5.0 U	3.0 U
03/22/07	Composite	32	5.0 U	2.7 J	130	4.6 J	1.2 B	3.0 U
06/20/07	Composite	31	0.45 J	0.76 J	210	1.7 J	0.44 B	3.0 U
09/17/07	Composite	89	20 U	20 U	730	7.0 J	5.0 U	3.0 U
12/18/07	Composite	18	2.0 U	2.0 U	90	1.5 J	5.0 U	3.0 U
03/19/08	Composite	12	0.38 J	1.0 J	120	1.2 J	5.0 U	3.0 U
06/17/08	Composite	20	4.0 U	4.0 U	190	2.3 J	5.0 U	3.0 U
09/18/08	Composite	20	2.0 U	2.0 U	180	4.4	5.0 U	3.0 U
12/18/08	Composite	19	0.17 J	0.43 J	98	2.8	5.0 U	3.0 U
03/30/09	Composite	5.2	1.0 U	1.0 U	73	1.6	5.0 U	3.0 U
06/12/09	Composite	18	5.0 U	1.1 J	180	2.5 J	5.0 U	3.0 U

Data Legend:

"NA" - indicates not analyzed

Detections and estimated values are in **bold-face** type.

Organic data qualifiers:

U - not detected at indicated detection limit

J - estimated concentration below reporting limit but above minimum detection limit.

Inorganic data qualifiers:

U - not detected at indicated detection limit

B - detected concentration below contract required detection limit but above instrument detection limit.

ATTACHMENT A
DISCHARGE MONITORING REPORT
JUNE 2009

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

Reporting Month & Year **Jun-09**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		13,949	gpd		Continuous	Meter
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	6.86	8.00	s.u.		8	Grab
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		< 4.0	mg/L	< 0.51	1	Grab
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		< 1.0	ug/L	< 0.00012	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		< 1.0	ug/L	< 0.00012	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		< 1.0	ug/L	< 0.00012	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00012	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00012	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00012	1	Grab
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		< 0.15	ug/L	< 0.000017	1	Grab
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		< 5.0	ug/L	< 0.00058	1	Grab
	Discharge Limitation		99	ug/L		Monthly	Grab

ATTACHMENT B
LABORATORY ANALYSIS REPORT
JUNE 2009 INFLUENT AND EFFLUENT SAMPLES

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH BUF

Leo Brausch Buffalo Airport

Lot #: C9F140107

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.



Carrie L. Gamber
Project Manager

June 30, 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
US Dept of Agriculture	NA	NAVY	X
Arkansas	(#P330-07-00101)	Foreign Soil Import Permit	X
California – NELAC	04224CA	WW	X
Connecticut	(#PH-0688)	HW	X
Florida – NELAC	(#E871008-04)	WW	X
Illinois – NELAC	(#002064)	HW	X
Kansas – NELAC	(#E-10350)	WW	X
Louisiana – NELAC	(#04041)	HW	X
New Hampshire – NELAC	(#203008)	WW	X
New Jersey – NELAC	(PA-005)	--	--
New York – NELAC	(#11182)	WW	X
North Carolina	(#434)	HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
South Carolina	(#89014002)	HW	X
Utah – NELAC	(STLP)	WW	X
West Virginia	(#142)	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 Ptsburgh.doc

CASE NARRATIVE

Leo Brausch Consulting

Lot # C9F140107

Sample Receiving:

TestAmerica's Pittsburgh laboratory received samples on June 13, 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.

Due to the concentration of target compounds detected, sample IFF0609 was analyzed at a dilution.

The method blanks 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.

The matrix spike recovered outside QC limits for 2-chloroethyl vinyl ether and trichlorofluoromethane.

Metals:

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

General Chemistry:

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

METHODS SUMMARY

C9F140107

<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

C9F140107

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
LEXA0	001	EFF0609	06/12/09	14:00
LEXA1	002	IFF0609	06/12/09	14:00

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: EFF0609

GC/MS Volatiles

Lot-Sample #...: C9F140107-001 Work Order #...: LEXA01AD Matrix.....: WATER
Date Sampled...: 06/12/09 Date Received..: 06/13/09 MS Run #.....: 9169303
Prep Date.....: 06/18/09 Analysis Date..: 06/18/09
Prep Batch #...: 9169597 Analysis Time..: 06:49
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	84	(80 - 125)		
Toluene-d8	94	(84 - 110)		
Bromofluorobenzene	90	(81 - 112)		

Leo Brausch Consulting

Client Sample ID: IFF0609

GC/MS Volatiles

Lot-Sample #...: C9F140107-002 Work Order #...: LEXA11AE Matrix.....: WATER
Date Sampled...: 06/12/09 Date Received...: 06/13/09 MS Run #.....: 9169303
Prep Date.....: 06/18/09 Analysis Date...: 06/18/09
Prep Batch #...: 9169597 Analysis Time...: 16:10
Dilution Factor: 5
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	5.0	ug/L	0.65
cis-1,2-Dichloroethene	18	5.0	ug/L	0.85
Methylene chloride	ND	5.0	ug/L	1.6
Tetrachloroethene	ND	5.0	ug/L	1.4
Toluene	ND	5.0	ug/L	0.65
Trichloroethene	180	5.0	ug/L	0.85
1,1,1-Trichloroethane	1.1 J	5.0	ug/L	1.1
Vinyl chloride	2.5 J	5.0	ug/L	1.1

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	83	(80 - 125)
Toluene-d8	92	(84 - 110)
Bromofluorobenzene	89	(81 - 112)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9F140107
 MB Lot-Sample #: A9F180000-597
 Analysis Date...: 06/17/09
 Dilution Factor: 1

Work Order #...: LE7681AA
 Prep Date.....: 06/17/09
 Prep Batch #...: 9169597

Matrix.....: WATER
 Analysis Time...: 19:12

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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
1,2-Dichlorobenzene	0.18 J	1.0	ug/L	CFR136A 624
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
1,2-Dichloroethane-d4	81	(80 - 125)
Toluene-d8	96	(84 - 110)
Bromofluorobenzene	93	(81 - 112)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9F140107 Work Order #...: LE7681AC Matrix.....: WATER
 LCS Lot-Sample#: A9F180000-597
 Prep Date.....: 06/17/09 Analysis Date...: 06/17/09
 Prep Batch #...: 9169597 Analysis Time...: 18:25
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
1,2-Dichlorobenzene	95	(18 - 190)	CFR136A 624
Methylene chloride	90	(10 - 221)	CFR136A 624
Tetrachloroethene	105	(64 - 148)	CFR136A 624
Toluene	103	(47 - 150)	CFR136A 624
Trichloroethene	100	(71 - 157)	CFR136A 624
Benzene	98	(37 - 151)	CFR136A 624
Bromodichloromethane	99	(35 - 155)	CFR136A 624
Bromoform	102	(45 - 169)	CFR136A 624
Bromomethane	99	(10 - 242)	CFR136A 624
Carbon tetrachloride	113	(70 - 140)	CFR136A 624
Chlorobenzene	102	(37 - 160)	CFR136A 624
Chloroethane	91	(14 - 230)	CFR136A 624
2-Chloroethyl vinyl ether	93	(10 - 305)	CFR136A 624
Chloroform	94	(51 - 138)	CFR136A 624
Chloromethane	94	(10 - 273)	CFR136A 624
Dibromochloromethane	112	(53 - 149)	CFR136A 624
1,3-Dichlorobenzene	97	(59 - 156)	CFR136A 624
1,4-Dichlorobenzene	93	(18 - 190)	CFR136A 624
1,1-Dichloroethane	96	(59 - 155)	CFR136A 624
1,2-Dichloroethane	91	(49 - 155)	CFR136A 624
1,1-Dichloroethene	98	(10 - 234)	CFR136A 624
trans-1,2-Dichloroethene	92	(54 - 156)	CFR136A 624
1,2-Dichloropropane	93	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	101	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	108	(17 - 183)	CFR136A 624
Ethylbenzene	102	(37 - 162)	CFR136A 624
1,1,2,2-Tetrachloroethane	105	(46 - 157)	CFR136A 624
1,1,2-Trichloroethane	103	(52 - 150)	CFR136A 624
Trichlorofluoromethane	142	(17 - 181)	CFR136A 624
1,1,1-Trichloroethane	105	(52 - 162)	CFR136A 624
Vinyl chloride	87	(10 - 251)	CFR136A 624

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9F140107 Work Order #...: LE7681AC Matrix.....: WATER
LCS Lot-Sample#: A9F180000-597

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
1,2-Dichloroethane-d4	80	(80 - 125)
Toluene-d8	99	(84 - 110)
Bromofluorobenzene	97	(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 #...: C9F140107 Work Order #...: LEXA01AG Matrix.....: WATER
 MS Lot-Sample #: C9F140107-001
 Date Sampled...: 06/12/09 Date Received...: 06/13/09
 Prep Date.....: 06/18/09 Analysis Date...: 06/18/09
 Prep Batch #...: 9169597 MS Run #.....: 9169303
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
1,2-Dichlorobenzene	92	(90 - 115)	CFR136A 624
Methylene chloride	88	(78 - 131)	CFR136A 624
Tetrachloroethene	100	(81 - 112)	CFR136A 624
Toluene	100	(87 - 112)	CFR136A 624
Trichloroethene	100	(85 - 114)	CFR136A 624
Benzene	99	(90 - 114)	CFR136A 624
Bromodichloromethane	88	(78 - 123)	CFR136A 624
Bromoform	77	(40 - 141)	CFR136A 624
Bromomethane	99	(42 - 160)	CFR136A 624
Carbon tetrachloride	91	(61 - 129)	CFR136A 624
Chlorobenzene	98	(90 - 113)	CFR136A 624
Chloroethane	91	(56 - 133)	CFR136A 624
2-Chloroethyl vinyl ether	0.0 a	(10 - 185)	CFR136A 624
Chloroform	96	(90 - 118)	CFR136A 624
Chloromethane	97	(37 - 127)	CFR136A 624
Dibromochloromethane	91	(65 - 123)	CFR136A 624
1,3-Dichlorobenzene	93	(90 - 111)	CFR136A 624
1,4-Dichlorobenzene	90	(90 - 112)	CFR136A 624
1,1-Dichloroethane	95	(90 - 114)	CFR136A 624
1,2-Dichloroethane	91	(90 - 123)	CFR136A 624
1,1-Dichloroethene	98	(83 - 129)	CFR136A 624
trans-1,2-Dichloroethene	91	(85 - 116)	CFR136A 624
1,2-Dichloropropane	91	(87 - 119)	CFR136A 624
cis-1,3-Dichloropropene	88	(77 - 115)	CFR136A 624
trans-1,3-Dichloropropene	89	(71 - 114)	CFR136A 624
Ethylbenzene	99	(88 - 111)	CFR136A 624
1,1,2,2-Tetrachloroethane	103	(77 - 133)	CFR136A 624
1,1,2-Trichloroethane	100	(89 - 123)	CFR136A 624
Trichlorofluoromethane	132 a	(62 - 110)	CFR136A 624
1,1,1-Trichloroethane	96	(82 - 119)	CFR136A 624
Vinyl chloride	86	(50 - 119)	CFR136A 624

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
1,2-Dichloroethane-d4	82	(80 - 125)
Toluene-d8	98	(84 - 110)
Bromofluorobenzene	97	(81 - 112)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: C9F140107
MS Lot-Sample #: C9F140107-001

Work Order #...: LEXA01AG

Matrix.....: WATER

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: EFF0609

TOTAL Metals

Lot-Sample #...: C9F140107-001
Date Sampled...: 06/12/09

Date Received...: 06/13/09

Matrix.....: WATER

<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 #...: 9167101						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	06/16-06/18/09	LEXA01AA
		Dilution Factor: 1		Analysis Time..: 10:56	MS Run #.....: 9167054	
		MDL.....: 0.15				
Chromium	ND	5.0	ug/L	MCAWW 200.7	06/16-06/18/09	LEXA01AC
		Dilution Factor: 1		Analysis Time..: 10:56	MS Run #.....: 9167054	
		MDL.....: 0.51				

Leo Brausch Consulting

Client Sample ID: IFF0609

TOTAL Metals

Lot-Sample #...: C9F140107-002
Date Sampled...: 06/12/09

Date Received...: 06/13/09

Matrix.....: WATER

<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 #...: 9167101						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	06/16-06/18/09	LEXA11AA
		Dilution Factor: 1		Analysis Time..: 11:00	MS Run #.....: 9167054	
		MDL.....: 0.15				
Chromium	7.2 J	5.0	ug/L	MCAWW 200.7	06/16-06/18/09	LEXA11AD
		Dilution Factor: 1		Analysis Time..: 11:00	MS Run #.....: 9167054	
		MDL.....: 0.51				
Lead	ND	3.0	ug/L	MCAWW 200.7	06/16-06/18/09	LEXA11AC
		Dilution Factor: 1		Analysis Time..: 11:00	MS Run #.....: 9167054	
		MDL.....: 1.2				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C9F140107

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 #: C9F160000-101 Prep Batch #... : 9167101						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	06/16-06/18/09	LE04A1AF
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Chromium	1.4 B	5.0	ug/L	MCAWW 200.7	06/16-06/18/09	LE04A1AG
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Lead	ND	3.0	ug/L	MCAWW 200.7	06/16-06/18/09	LE04A1AH
		Dilution Factor: 1				
		Analysis Time..: 10:47				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C9F140107

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
------------------	-----------------------------------	----------------------------------	---------------	---	---------------------

LCS Lot-Sample#: C9F160000-101 Prep Batch #...: 9167101

Cadmium	105	(85 - 115)	MCAWW 200.7	06/16-06/18/09	LE04A1AK
		Dilution Factor: 1		Analysis Time..: 10:51	

Chromium	104	(85 - 115)	MCAWW 200.7	06/16-06/18/09	LE04A1AL
		Dilution Factor: 1		Analysis Time..: 10:51	

Lead	102	(85 - 115)	MCAWW 200.7	06/16-06/18/09	LE04A1AM
		Dilution Factor: 1		Analysis Time..: 10:51	

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C9F140107

Matrix.....: WATER

Date Sampled...: 06/15/09

Date Received...: 06/15/09

<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>
MS Lot-Sample #: C9F150119-002 Prep Batch #...: 9167101							
Cadmium	102	(70 - 130)			MCAWW 200.7	06/16-06/18/09	LEXXA1AP
	101	(70 - 130)	0.57	(0-20)	MCAWW 200.7	06/16-06/18/09	LEXXA1AQ
			Dilution Factor: 1				
			Analysis Time...: 11:18				
			MS Run #.....: 9167054				
Chromium	102	(70 - 130)			MCAWW 200.7	06/16-06/18/09	LEXXA1AT
	101	(70 - 130)	1.2	(0-20)	MCAWW 200.7	06/16-06/18/09	LEXXA1AU
			Dilution Factor: 1				
			Analysis Time...: 11:18				
			MS Run #.....: 9167054				
Lead	103	(70 - 130)			MCAWW 200.7	06/16-06/18/09	LEXXA1AW
	103	(70 - 130)	0.71	(0-20)	MCAWW 200.7	06/16-06/18/09	LEXXA1AX
			Dilution Factor: 1				
			Analysis Time...: 11:18				
			MS Run #.....: 9167054				

NOTE(S):

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

Leo Brausch Consulting

Client Sample ID: EFF0609

General Chemistry

Lot-Sample #...: C9F140107-001

Work Order #...: LEXA0

Matrix.....: WATER

Date Sampled...: 06/12/09

Date Received..: 06/13/09

<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	8.0	--	No Units	SM20 4500-H+B	06/15-06/16/09	9166505
			Dilution Factor: 1	Analysis Time..: 07:34	MS Run #.....: 9167119	
			MDL.....: --			
Total Suspended Solids	ND	4.0	mg/L	SM20 2540D	06/15-06/16/09	9166294
			Dilution Factor: 1	Analysis Time..: 12:16	MS Run #.....: 9166211	
			MDL.....: 2.0			

Leo Brausch Consulting

Client Sample ID: IFF0609

General Chemistry

Lot-Sample #...: C9F140107-002 Work Order #...: LEXA1 Matrix.....: WATER
Date Sampled...: 06/12/09 Date Received...: 06/13/09

<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	9.0	--	No Units	SM20 4500-H+B	06/15-06/16/09	9166505
			Dilution Factor: 1	Analysis Time.: 07:36	MS Run #.....: 9167119	
			MDL.....: --			

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C9F140107

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	06/15-06/16/09	9166294
		Work Order #: LEX1V1AA		MB Lot-Sample #: C9F150000-294		
		Dilution Factor: 1				
		Analysis Time..: 12:16				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: C9F140107

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)	Work Order #: LE1C81AA SM20 4500-H+B Dilution Factor: 1	LCS Lot-Sample#: C9F150000-505 06/15-06/16/09 Analysis Time..: 06:55	9166505
Total Suspended Solids	90	(80 - 120)	Work Order #: LEX1V1AC SM20 2540D Dilution Factor: 1	LCS Lot-Sample#: C9F150000-294 06/15-06/16/09 Analysis Time..: 12:16	9166294

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C9F140107

Work Order #...: LEW2C-SMP
LEW2C-DUP

Matrix.....: WATER

Date Sampled...: 06/12/09

Date Received..: 06/13/09

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Suspended Solids	69.0	71.0	mg/L	2.9	(0-20)	SM20 2540D	06/15-06/16/09	9166294
				Dilution Factor: 1	Analysis Time.: 12:16		MS Run Number.: 9166211	
							SD Lot-Sample #: C9F130196-013	

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C9F140107

Work Order #...: LETT8-SMP
LETT8-DUP

Matrix.....: WATER

Date Sampled...: 06/12/09

Date Received...: 06/12/09

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
pH	8.2	8.2	No Units	0.24	(0-2.0)	SM20 4500-H+B	06/15-06/16/09	9166505
			Dilution Factor: 1			Analysis Time..: 07:26	MS Run Number..: 9167119	
						SD Lot-Sample #: C9F120240-002		