CBS Corporation

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

October 9, 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 September 1 through September 30, 2009 and transmits the discharge monitoring report for this period.

1. Site Activities and Status

A. On September 14, 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 August 2009 operating period. That status report also transmitted the discharge monitoring data for August 2009.

B. The recovery and treatment system operated throughout the September 2009 reporting period.

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

D. On September 4, 2009, CBS submitted to NYSDEC the letter report on the Phase 1 closure of 001 segment of groundwater collection system.

E. On September 10, 2009, CRA measured water levels at select manholes and monitoring wells following the Phase 1 closure of the 001 groundwater collection system.

F. Also on September 10, 2009, CRA collected the quarterly groundwater sample at well MW-32 and conducted the follow-up groundwater monitoring at wells MW-30, MW-31, MW-34, MW-34D, and MW-35 for the Phase 1 closure of 001 segment of the groundwater collection system.

2. Sampling Results and Other Site Data

A. In September 2009, the groundwater system recovered and treated an estimated 102,000 gallons.[1]

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

[1] Based on additional information and recalculation, the estimated total discharge for August 2009 has been revised to 101,000 gallons from the 103,000 gallons as indicated in the August 2009 monthly status report.

D. For the September 2009 reporting period, the effluent complied with all discharge limitations except for pH. Recorded effluent pH values ranged from 5.39 to 8.90, compared to the discharge limitation range of 6.5 to 8.5; the mean pH value for August 2009 was 6.66. The recent pH issues apparently revolve around a failed pH probe in the equalization tank that gave false readings, which, in turn, led to overdosing with sulfuric acid. Low-pH water accumulated in the adsorbers and caused the effluent pH to remain depressed. The adsorbers have since been subjected to multiple backwash cycles and treated with sodium bicarbonate to stabilize the system pH.

E. Table 1 presents the results of influent sampling data, including the most recent influent sample collected on September 30, 2009. Attachment B includes the analytical laboratory report for this influent sample.

F. Figure 1 shows the relationship between target volatile organic compound (VOC) concentrations over time in the composite system influent. As shown in Figure 1, target VOC concentrations are variable but exhibit an overall downward trend since system startup in August 2000. In the September 2009 sampling, the target VOC concentration in the influent was higher than in the previous seven quarterly samples. This increase was expected because the Phase 1 closure activities completed to date have significantly decreased flow from the 001 segment of groundwater collection system. This segment historically produced groundwater with the lowest VOC levels. The composite influent for September 2009 contains higher proportions of groundwater from the 002 and 003 segments, which historically have shown higher VOC concentrations.

G. Table 2 presents the results of quarterly monitoring of well MW-32 located in Area P at the northern portion of the Site, including the most recent sample collected on September 10, 2009. Attachment C includes the analytical laboratory report for this monitoring well sample.

H. Figure 2 shows the relationship between target VOC concentrations over time at well MW-32. As shown in Figure 2, total target VOC concentrations exhibit a continuing downward trend.

I. Table 3 provides the quarterly groundwater monitoring data following the Phase 1 closure of the 001 segment of the groundwater collection system, as specified in the *Revised Work Plan* (Rev. 1, November 7, 2008). The analytical laboratory report provided in Attachment C includes the data for this sampling. As shown in Table 3, no target VOCs were detected in any of the five sampled wells, and neither cadmium nor lead levels exceeded remedial action objectives in any well.

J. Attachment D provides an updated compilation of water level data from selected manholes and monitoring wells associated with the 001 segment of the groundwater collection system. These data continue to show the effective separation of the 001 segment upstream and downstream from closed manholes MH-001-02 and MH-001-06, with differences in water elevations of about eight feet between upstream manhole MH-001-09 and downstream manhole MH-001-01. Upstream of the closed manholes, water levels have stabilized at depths of about four to six feet below grade. Downstream of the closed manholes, water levels have stabilized at depths of about six to nine feet below grade.

3. Upcoming Activities

A. CBS will continue required O&M activities, including pumping of Sump 001.

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 and surface water monitoring per the *Revised Work Plan* (Rev. 1, November 7, 2008).

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.

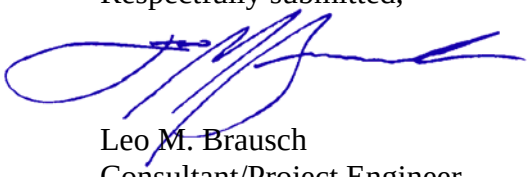
B. The post-closure monitoring data indicate that the Phase 1 closure of the 001 groundwater collection system has effectively addressed the previously observed high water levels at Sump 001, which had led to periodic overtopping of that manhole. The ongoing periodic overtopping at Sump 002 will be addressed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

* * * *

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

TABLES

Table 1
Summary of Treatment System Influent Monitoring Data
NYSDEC Site No. 9-15-066, Cheektowaga, New York

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
NYSDEC Site No. 9-15-066, Cheektowaga, New York

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
09/30/09	Composite	**43**	10 U	10 U	**310**	**4.4 J**	**0.85 B**	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.

Table 2
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
05/11/00	**1,500**	5 U	5 U	**3,700**	**540**	1.0 U	3.0 U
12/01/00	**2,200**	5 U	5 U	**1,200**	**110**	1.0 U	10 U
12/01/00 (Dup)	**2,300**	10 U	10 U	**1,900**	**230 J**	NA	NA
03/30/01	**1,600**	100 U	100 U	**650**	**340**	0.41 U	2.47 U
03/30/01 (Dup)	**1,500**	100 U	100 U	**610**	**310**	0.41 U	2.47 U
06/21/01	**2,800**	250 U	250 U	**4,100**	**890**	0.85 U	1.21 U
06/21/01 (Dup)	**2,700**	250 U	250 U	**4,000**	**830**	0.85 U	1.21 U
09/13/01	**4,000**	250 U	250 U	**2,900**	**1,000**	**0.70 B**	2.1 U
09/13/01 (Dup)	**4,100**	250 U	250 U	**2,800**	**1,100**	**0.83 B**	2.8 U
12/13/01	**2,300**	200 U	200 U	**2,500**	**590**	0.44 U	3.7 U
12/31/01 (Dup)	**2,200**	200 U	200 U	**2,400**	**560**	0.44 U	2.0 U
03/14/02	**560**	250 U	250 U	**730**	**98**	0.17 U	2.03 U
03/14/02 (Dup)	**570**	250 U	250 U	**710**	**100**	0.17 U	2.03 U
07/10/02	**1,200**	NA	NA	**2,000**	**190**	NA	NA
12/31/02	**480**	NA	50 U	**530**	**66**	**0.34 B**	**4.9**
12/31/02 (Dup)	**510**	NA	50 U	**580**	**77**	0.29 U	**4.7**
03/29/03	**1,000**	80 U	80 U	**740**	**150**	5.0 U	3.0 U
06/17/03	**1,100**	200 U	200 U	**2,400**	**130 J**	**0.34 B**	**4.9**
06/17/03 (Dup)	**1,100**	100 U	100 U	**1,700**	**110**	5.0 U	3.0 U
09/26/03	**2,800**	100 U	100 U	**8,100**	**310 J**	5.0 U	3.0 U
12/22/03	**1,000**	100 U	100 U	**1,300**	**97 J**	0.38 U	**1.1 B**
03/29/04	**460**	10 U	10 U	**570**	**20 J**	0.37 U	1.4 U
06/30/04	**620**	200 U	200 U	**1,900**	200 U	0.29 U	1.5 U
09/13/04	**2,100**	200 U	200 U	**2,900**	**130 J**	5.0 U	**1.8 B**
12/17/04	**640**	10 U	10 U	**420**	**45**	5.0 U	3.0 U
12/17/04 (Dup)	**760**	50 U	50 U	**790**	**50 J**	5.0 U	**2.3 B**
03/31/05	**570**	50 U	50 U	**680**	**49 J**	5.0 U	3.0 U
06/22/05	**540**	10 U	10 U	**810**	**100**	5.0 U	3.0 U
06/22/05 (Dup)	**1,100**	100 U	100 U	**880**	**140**	5.0 U	3.0 U
09/09/05	**1,400**	330 U	330 U	**1,700**	**96 J**	5.0 U	3.0 U
12/14/05	**900**	10 U	10 U	**700**	**56**	5.0 U	3.0 U
12/14/05 (Dup)	**1,200**	100 U	100 U	**750**	**68 J**	5.0 U	3.0 U

Table 2
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
03/23/06	**350**	30 U	30 U	**290**	**36**	5.0 U	3.0 U
06/13/06	**410**	50 U	50 U	**440**	**13 J**	5.0 U	3.0 U
06/13/06 (Dup)	**540**	50 U	50 U	**880**	**51**	5.0 U	3.0 U
09/11/06	**1,400**	150 U	150 U	**2,000**	**85 J**	**0.34 B**	**4.9**
12/12/06	**290**	40 U	40 U	**67**	**42 J**	5.0 U	**1.2 B**
12/12/06 (Dup)	**590**	50 U	50 U	**240**	**75 J**	5.0 U	**3.1**
03/27/07	**380**	10 U	10 U	**22**	**36 J**	5.0 U	**2.4 B**
06/26/07	**1,700**	150 U	150 U	**23 J**	**710**	5.0 U	**1.5 B**
09/17/07	**2,500**	150 U	150 U	**410**	**140**	5.0 U	**1.5 B**
12/19/07	**1,500**	150 U	150 U	**160**	**200**	**0.29 B**	**3.0**
12/19/07 (Dup)	**1,500**	100 U	100 U	**170**	**200**	5.0 U	3.0 U
03/19/08	**530**	40 U	40 U	**110**	**53**	**0.38 B**	**2.2 B**
06/26/08	**520**	50 U	50 U	**310**	**27 J**	5.0 U	1.4 U
09/30/08	**420**	50 U	50 U	**120**	**48**	5.0 U	1.4 U
12/11/08	**200**	20 U	20 U	**200**	**9.9 J**	5.0 U	**5.4**
12/11/08 (Dup)	**170**	10 U	10 U	**180**	**9.0 J**	5.0 U	**3.5**
03/05/09	**280**	20 U	20 U	**170**	**25**	**0.090 B**	**4.1**
06/22/09	**430**	40 U	40 U	**590**	**22 J**	5.0 U	**1.6 B**
06/22/09 (Dup)	**410**	40 U	40 U	**540**	**24 J**	5.0 U	**3.4**
09/10/09	**320**	25 U	25 U	**330**	**26**	5.0 U	**3.8**

Data Legend :

"NA" - indicates not analyzed

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

Organic data qualifiers:

U - not detected at indicated reporting limit

J - estimated concentration

Inorganic data qualifiers:

U - not detected at indicated detection limit

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

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-30	05/04/00	5 U	5 U	5 U	5 U	5 U	**3.0**	**11.8**
	11/30/00	NA	5 U	5 U	5 U	5 U	1.0 U	10 U
	03/29/01	10 U	10 U	10 U	10 U	10 U	0.41 U	2.47 U
	06/21/01	10 U	10 U	10 U	10 U	10 U	0.85 U	1.21 U
	09/13/01	10 U	10 U	10 U	10 U	10 U	**0.60 B**	**2.7 B**
	12/13/01	10 U	NA	10 U	10 U	10 U	0.44 U	1.5 U
	03/14/02	10 U	10 U	10 U	10 U	10 U	**0.59 B**	**3.7**
	12/31/02	10 U	10 U	10 U	10 U	10 U	**1.60 B**	**9.4**
	06/18/03	1 U	1 U	1 U	1 U	1 U	**0.47 B**	**4.3**
	12/22/03	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	06/15/04	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	01/05/05	1 U	1 U	1 U	1 U	1 U	5.0 U	**2.8 B**
	06/22/05	1 U	1 U	1 U	1 U	1 U	**2.4 B**	**27.5**
	12/14/05	1 U	1 U	1 U	1 U	1 U	**0.90 B**	**5.9**
	06/13/06	1 U	1 U	1 U	1 U	1 U	**1.9 B**	**14.7**
	12/12/06	1 U	1 U	1 U	1 U	1 U	**0.91 B**	**12.1**
	06/26/07	1 U	1 U	1 U	1 U	1 U	**1.7 B**	**17.8**
	12/19/07	1 U	1 U	1 U	1 U	1 U	**0.65 B**	**15.4**
	06/26/08	1 U	1 U	1 U	1 U	1 U	**1.4 B**	**15.4**
	12/11/08	1 U	1 U	**1.1 J**	1 U	1 U	**0.55 B**	**11.5**
	06/22/09	1 U	1 U	1 U	1 U	1 U	**2.6 B**	**29.7**
	09/10/09	1 U	1 U	1 U	1 U	1 U	**0.63 B**	**10.0**
MW-31	05/09/00	5 U	5 U	5 U	5 U	5 U	0.70 U	3.0 U
	11/30/00	NA	5 U	5 U	5 U	5 U	1.0 U	10 U
	03/29/01	10 U	10 U	10 U	10 U	10 U	0.41 U	2.47 U
	06/21/01	10 U	10 U	10 U	10 U	10 U	0.85 U	1.21 U
	09/13/01	10 U	10 U	10 U	10 U	10 U	**0.27 B**	0.79 U
	12/13/01	10 U	10 U	10 U	10 U	10 U	0.44 U	2.2 U
	03/14/02	10 U	10 U	10 U	10 U	10 U	**0.55 B**	**3.4**
	12/31/02	10 U	NA	10 U	10 U	10 U	0.29 U	**2.9 B**

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-31 (cont'd)	06/17/03	1 U	1 U	1 U	1 U	1 U	5.0 U	**8.1**
	12/22/03	1 U	1 U	1 U	1 U	1 U	5.0 U	**13.2**
	06/30/04	1 U	1 U	1 U	1 U	1 U	**0.38 B**	**11.0**
	12/17/04	1 U	1 U	1 U	1 U	1 U	5.0 U	**2.0 B**
	06/22/05	1 U	1 U	1 U	1 U	1 U	**1.1 B**	**38.2**
	12/15/05	1 U	1 U	1 U	1 U	1 U	**0.58 B**	**3.9**
	06/13/06	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	12/12/06	1 U	1 U	1 U	1 U	1 U	5.0 U	**2.4 B**
	06/26/07	1 U	1 U	1 U	1 U	1 U	**1.1 B**	**23.1**
	12/19/07	1 U	1 U	1 U	1 U	1 U	**6.2**	**116**
	06/27/08	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	12/11/08	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	06/22/09	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	09/10/09	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
MW-34	05/06/00	5 U	5 U	10 U	5 U	5 U	**1.2**	**3.8 B**
	11/30/00	5 U	5 U	35 U	5 U	5 U	**2.1**	10.0 U
	03/28/01	10 U	10 U	10 U	10 U	10 U	0.41 U	2.47 U
	06/21/01	10 U	10 U	10 U	10 U	10 U	0.85 U	1.21 U
	09/13/01	10 U	10 U	10 U	10 U	10 U	0.25 U	0.79 U
	12/13/01	10 U	10 U	10 U	10 U	10 U	0.44 U	0.82 U
	03/14/02	10 U	10 U	10 U	10 U	10 U	0.17 U	2.03 U
	12/31/02	10 U	NA	10 U	10 U	10 U	0.29 U	**2.8 B**
	06/18/03	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	12/22/03	1 U	1 U	1 U	1 U	1 U	5.0 U	**2.3 B**
	06/15/04	1 U	1 U	1 U	1 U	1 U	**0.29 B**	**4.1**
	01/05/05	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	06/22/05	1 U	1 U	1 U	1 U	1 U	5.0 U	**5.4**
	12/14/05	1 U	1 U	1 U	1 U	1 U	**0.41 B**	**6.5**
	06/13/06	1 U	1 U	1 U	1 U	1 U	5.0 U	**2.7 B**
	12/12/06	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-34 (cont'd)	06/26/07	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	12/19/07	1 U	1 U	1 U	1 U	1 U	5.0 U	**4.3**
	06/26/08	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	12/11/08	1 U	1 U	1 U	1 U	1 U	5.0 U	**3.2**
	06/22/09	1 U	1 U	1 U	1 U	1 U	5.0 U	**1.9 B**
	09/10/09	1 U	1 U	1 U	1 U	1 U	5.0 U	**3.1**
MW-34D	05/06/00	5 U	5 U	5 U	5 U	5 U	**1.2**	**3.1 B**
	11/30/00	5 U	5 U	5 U	5 U	5 U	1.0 U	10.0 U
	03/28/01	10 U	10 U	10 U	10 U	10 U	0.41 U	2.47 U
	06/21/01	10 U	**2.2 J**	10 U	**1.1 J**	10 U	0.85 U	1.21 U
	09/13/01	10 U	10 U	10 U	10 U	10 U	0.25 U	0.79 U
	12/13/01	10 U	10 U	10 U	10 U	10 U	0.44 U	4.0 U
	03/14/02	10 U	10 U	10 U	10 U	10 U	0.17 U	2.03 U
	12/31/02	10 U	NA	10 U	10 U	10 U	0.29 U	**2.3 B**
	06/18/03	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	12/22/03	1 U	1 U	1 U	1 U	1 U	5.0 U	**12.8**
	06/15/04	1 U	1 U	1 U	1 U	1 U	5.0 U	**3.9**
	01/05/05	1 U	1 U	1 U	1 U	1 U	5.0 U	**1.7 B**
	06/22/05	1 U	1 U	1 U	1 U	1 U	5.0 U	**9.8**
	12/14/05	1 U	1 U	1 U	1 U	1 U	5.0 U	**2.6 B**
	06/13/06	1 U	1 U	1 U	1 U	1 U	**1.7 B**	3.0 U
	12/12/06	1 U	1 U	1 U	1 U	1 U	5.0 U	**7.0**
	06/26/07	1 U	1 U	1 U	1 U	1 U	**0.47 B**	3.0 U
	06/26/07	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	12/19/07	1 U	1 U	1 U	1 U	1 U	**0.31 B**	**2.4 B**
	06/26/08	1 U	1 U	1 U	1 U	1 U	5.0 U	3.0 U
	12/11/08	1 U	1 U	1 U	1 U	1 U	**0.23 B**	**2.4 B**
	06/22/09	1 U	1 U	1 U	1 U	1 U	**0.37 B**	3.0 U
	09/10/09	1 U	1 U	1 U	1 U	1 U	**0.16 B**	3.0 U

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-35	09/10/09	1 U	1 U	1 U	1 U	1 U	5.0 U	**2.1 B**

Data Legend:
"NA" - indicates not analyzed
Detections and estimated values are in ***bold-face*** *type.*
Concentrations above Remedial Action Objectives are highlighted in yellow.
Organic data qualifiers:
U - not detected at indicated minimum detection limit (MDL)
J - estimated concentration above MDL, but below reporting limit (RL)
Inorganic data qualifiers:
U - not detected at indicated RL
B - detected concentration above MDL, but below RL.

FIGURES

Figure 1: Total Target VOCs in Treatment System Influent

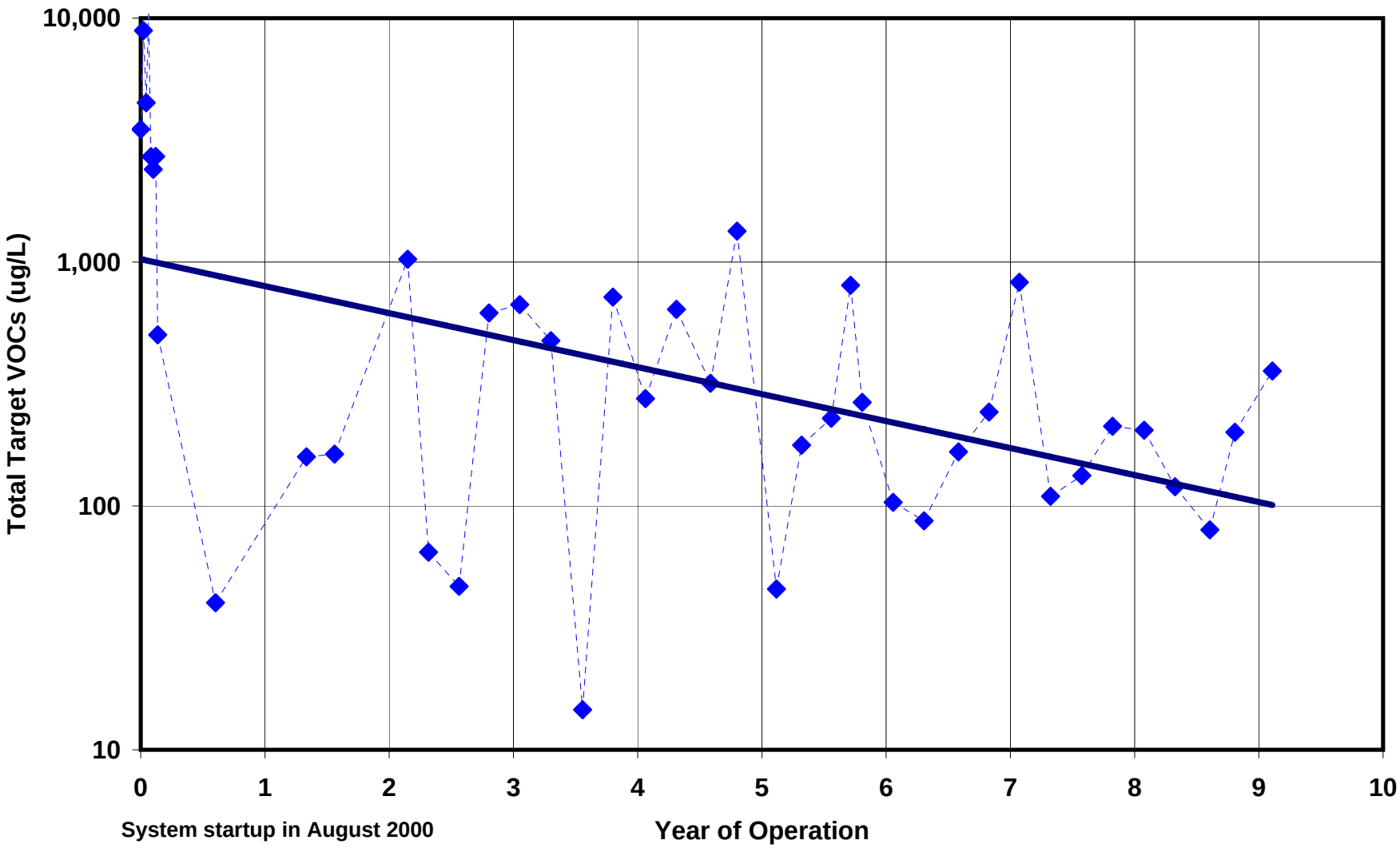
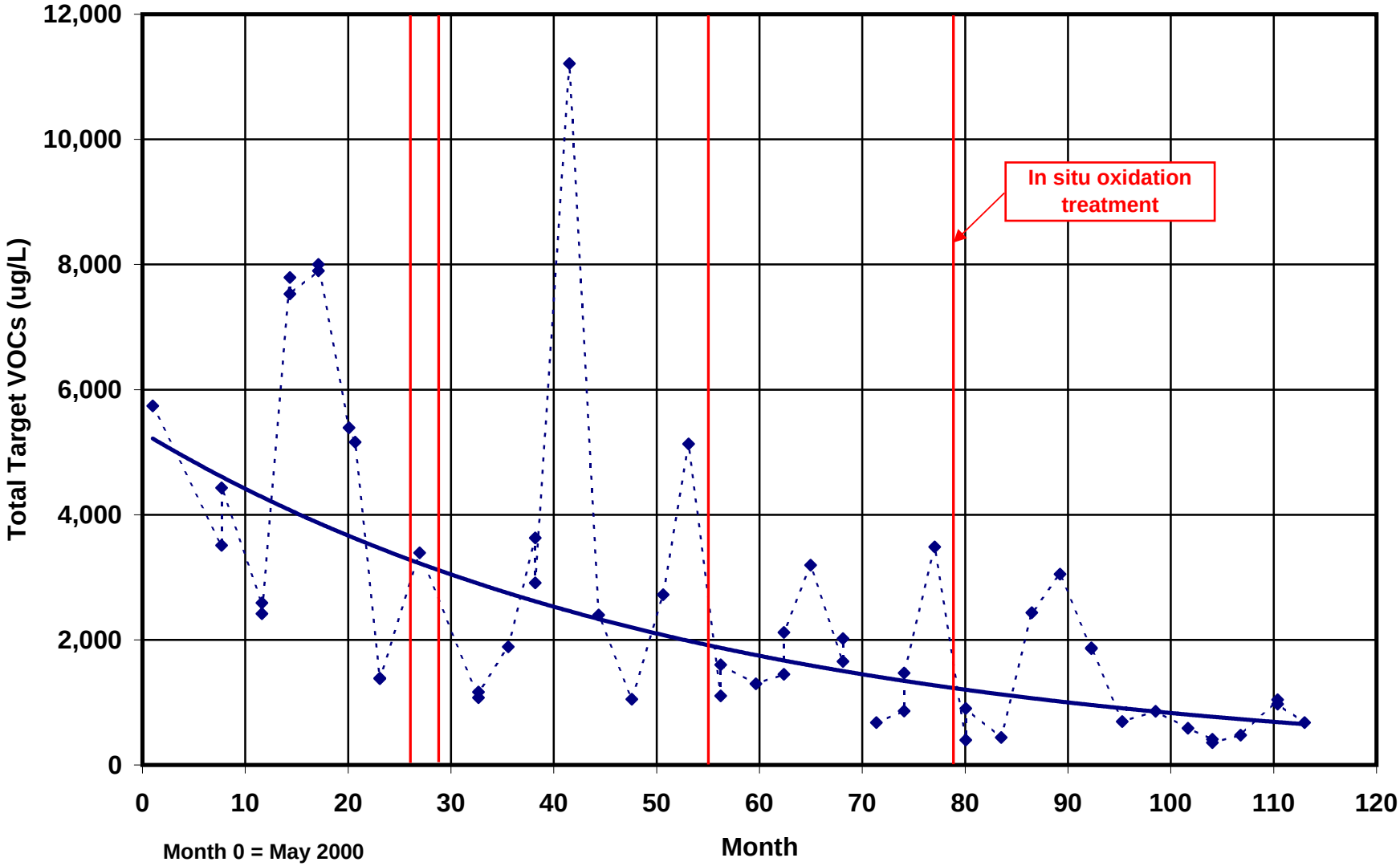


Figure 2: Total Target VOCs at MW-32



ATTACHMENT A

DISCHARGE MONITORING REPORT
SEPTEMBER 2009

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

Reporting Month & Year **Sep-09**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		**4,190**	**gpd**		**Continuous**	**Meter**
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	**5.39**	**8.90**	**s.u.**		**7**	**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**	**< 0.00004**	**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		**0.23**	**ug/L**	**0.000013**	**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**	**< 0.000005**	**1**	**Grab**
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		**< 5.0**	**ug/L**	**< 0.0002**	**1**	**Grab**
	Discharge Limitation		99	ug/L		Monthly	Grab

ATTACHMENT B

LABORATORY ANALYSIS REPORT
SEPTEMBER 2009 INFLUENT AND EFFLUENT SAMPLES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH BUF

Leo Brausch Buffalo Airport

Lot #: C9J010287

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.

Carrie L. Gamber
Project Manager

October 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 # C9J010287

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

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

Sample INF 0909 was analyzed at a dilution due to the concentration of target compounds detected.

The method blank had methylene chloride detected above the reporting limit. Methylene chloride is a common laboratory contaminant. The concentration of common laboratory contaminates is acceptable up to 5X the reporting limit. Any sample in this batch that had this compound 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.

C9J010287

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES Niagara Falls, NY

SHIPPED TO (Laboratory Name): TEST AMERICA Pittsburgh, PA

REFERENCE NUMBER: 18036 Buffalo Airport Site CBS

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: Kevin Lynch

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	VOCs (4 HCl)	Metals (HNO3)	PH	TSS	REMARKS
	9/30/09	0900	Inf 0909	Water	5	3	1	1		
	9/30/09	0915	Eff 0909	Water	5	3	1	1		
TOTAL NUMBER OF CONTAINERS					10					HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: ① [signature]	DATE: 9/30/09 TIME: 1830 *	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: Boller Lynch *

RECEIVED FOR LABORATORY BY: [signature] DATE: 10/1/09 TIME: 1015

Nº CRA 22978

* Cooler Sealed

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

METHODS SUMMARY

C9J010287

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

C9J010287

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LLVKX	001	INF 0909	09/30/09	09:00
LLVK0	002	EFF 0909	09/30/09	09:15

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: INF 0909

GC/MS Volatiles

Lot-Sample #...: C9J010287-001 **Work Order #...:** LLVKX1AE **Matrix.....:** WATER
Date Sampled...: 09/30/09 **Date Received..:** 10/01/09 **MS Run #.....:** 9279302
Prep Date.....: 10/06/09 **Analysis Date..:** 10/06/09
Prep Batch #...: 9279503 **Analysis Time..:** 16:04
Dilution Factor: 10

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dichlorobenzene	ND	10	ug/L	1.3
cis-1,2-Dichloroethene	**43**	**10**	**ug/L**	**1.7**
Methylene chloride	**8.7 J,B**	**10**	**ug/L**	**3.3**
Tetrachloroethene	ND	10	ug/L	2.9
Toluene	ND	10	ug/L	1.3
1,1,1-Trichloroethane	ND	10	ug/L	2.2
Trichloroethene	**310**	**10**	**ug/L**	**1.7**
Vinyl chloride	**4.4 J**	**10**	**ug/L**	**2.2**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(80 - 125)
Toluene-d8	103	(84 - 110)
Bromofluorobenzene	89	(81 - 112)

NOTE(S):

J Estimated result. Result is less than RL.

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

Leo Brausch Consulting

Client Sample ID: EFF 0909

GC/MS Volatiles

Lot-Sample #...: C9J010287-002 **Work Order #...:** LLVK01AD **Matrix.....:** WATER
Date Sampled...: 09/30/09 **Date Received..:** 10/01/09 **MS Run #.....:** 9279302
Prep Date.....: 10/06/09 **Analysis Date..:** 10/06/09
Prep Batch #...: 9279503 **Analysis Time..:** 08:12
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	**0.23 J**	**1.0**	**ug/L**	**0.17**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(80 - 125)
Toluene-d8	100	(84 - 110)
Bromofluorobenzene	88	(81 - 112)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9J010287 **Work Order #...:** LL34G1AA **Matrix.....:** WATER
MB Lot-Sample #: A9J060000-503
Prep Date.....: 10/05/09 **Analysis Time..:** 18:38
Analysis Date..: 10/05/09 **Prep Batch #...:** 9279503
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methylene chloride	**1.9**	**1.0**	**ug/L**	**CFR136A 624**
Tetrachloroethene	ND	1.0	ug/L	CFR136A 624
Toluene	ND	1.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 624
Trichloroethene	ND	1.0	ug/L	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624
1,2-Dichlorobenzene	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	96	(80 - 125)
Toluene-d8	104	(84 - 110)
Bromofluorobenzene	91	(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 #...: C9J010287 **Work Order #...:** LL34G1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9J060000-503
Prep Date.....: 10/05/09 **Analysis Date..:** 10/05/09
Prep Batch #...: 9279503 **Analysis Time..:** 18:13
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	102	(37 - 151)	CFR136A 624
Bromodichloromethane	100	(35 - 155)	CFR136A 624
Bromoform	65	(45 - 169)	CFR136A 624
Bromomethane	95	(10 - 242)	CFR136A 624
Carbon tetrachloride	94	(70 - 140)	CFR136A 624
Chlorobenzene	103	(37 - 160)	CFR136A 624
Chloroethane	87	(14 - 230)	CFR136A 624
2-Chloroethyl vinyl ether	96	(10 - 305)	CFR136A 624
Chloroform	103	(51 - 138)	CFR136A 624
Chloromethane	107	(10 - 273)	CFR136A 624
Dibromochloromethane	88	(53 - 149)	CFR136A 624
1,3-Dichlorobenzene	100	(59 - 156)	CFR136A 624
1,4-Dichlorobenzene	96	(18 - 190)	CFR136A 624
1,1-Dichloroethane	99	(59 - 155)	CFR136A 624
1,2-Dichloroethane	100	(49 - 155)	CFR136A 624
1,1-Dichloroethene	91	(10 - 234)	CFR136A 624
trans-1,2-Dichloroethene	81	(54 - 156)	CFR136A 624
1,2-Dichloropropane	95	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	86	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	90	(17 - 183)	CFR136A 624
Ethylbenzene	106	(37 - 162)	CFR136A 624
1,1,2,2-Tetrachloroethane	83	(46 - 157)	CFR136A 624
1,1,2-Trichloroethane	101	(52 - 150)	CFR136A 624
Trichlorofluoromethane	117	(17 - 181)	CFR136A 624
1,2-Dichlorobenzene	97	(18 - 190)	CFR136A 624
Methylene chloride	99	(10 - 221)	CFR136A 624
Tetrachloroethene	111	(64 - 148)	CFR136A 624
Toluene	103	(47 - 150)	CFR136A 624
1,1,1-Trichloroethane	103	(52 - 162)	CFR136A 624
Trichloroethene	102	(71 - 157)	CFR136A 624
Vinyl chloride	107	(10 - 251)	CFR136A 624

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9J010287 **Work Order #...:** LL34G1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9J060000-503

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(80 - 125)
Toluene-d8	103	(84 - 110)
Bromofluorobenzene	96	(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 #...: C9J010287 **Work Order #...:** LL0K71AC **Matrix.....:** WATER
MS Lot-Sample #: A9J030156-001
Date Sampled...: 10/02/09 **Date Received..:** 10/03/09
Prep Date.....: 10/06/09 **Analysis Date..:** 10/06/09
Prep Batch #...: 9279503 **MS Run #.....:** 9279302
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**99**	**(90 - 114)**	**CFR136A 624**
Bromodichloromethane	**83**	**(78 - 123)**	**CFR136A 624**
Bromoform	**55**	**(40 - 141)**	**CFR136A 624**
Bromomethane	**90**	**(42 - 160)**	**CFR136A 624**
Carbon tetrachloride	**78**	**(61 - 129)**	**CFR136A 624**
Chlorobenzene	**94**	**(90 - 113)**	**CFR136A 624**
Chloroethane	**89**	**(56 - 133)**	**CFR136A 624**
2-Chloroethyl vinyl ether	**0.0 a**	**(10 - 185)**	**CFR136A 624**
Chloroform	**101**	**(90 - 118)**	**CFR136A 624**
Chloromethane	**103**	**(37 - 127)**	**CFR136A 624**
Dibromochloromethane	**74**	**(65 - 123)**	**CFR136A 624**
1,3-Dichlorobenzene	**85 a**	**(90 - 111)**	**CFR136A 624**
1,4-Dichlorobenzene	**87 a**	**(90 - 112)**	**CFR136A 624**
1,1-Dichloroethane	**94**	**(90 - 114)**	**CFR136A 624**
1,2-Dichloroethane	**101**	**(90 - 123)**	**CFR136A 624**
1,1-Dichloroethene	**89**	**(83 - 129)**	**CFR136A 624**
trans-1,2-Dichloroethene	**82 a**	**(85 - 116)**	**CFR136A 624**
1,2-Dichloropropane	**90**	**(87 - 119)**	**CFR136A 624**
cis-1,3-Dichloropropene	**69 a**	**(77 - 115)**	**CFR136A 624**
trans-1,3-Dichloropropene	**68 a**	**(71 - 114)**	**CFR136A 624**
Ethylbenzene	**93**	**(88 - 111)**	**CFR136A 624**
1,1,2,2-Tetrachloroethane	**87**	**(77 - 133)**	**CFR136A 624**
1,1,2-Trichloroethane	**96**	**(89 - 123)**	**CFR136A 624**
Trichlorofluoromethane	**117 a**	**(62 - 110)**	**CFR136A 624**
1,2-Dichlorobenzene	**88 a**	**(90 - 115)**	**CFR136A 624**
Methylene chloride	**85**	**(78 - 131)**	**CFR136A 624**
Tetrachloroethene	**98**	**(81 - 112)**	**CFR136A 624**
Toluene	**95**	**(87 - 112)**	**CFR136A 624**
1,1,1-Trichloroethane	**96**	**(82 - 119)**	**CFR136A 624**
Trichloroethene	**98**	**(85 - 114)**	**CFR136A 624**
Vinyl chloride	**105**	**(50 - 119)**	**CFR136A 624**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	104	(80 - 125)
Toluene-d8	105	(84 - 110)
Bromofluorobenzene	96	(81 - 112)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: C9J010287 **Work Order #...:** LL0K71AC **Matrix.....:** WATER
MS Lot-Sample #: A9J030156-001

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: INF 0909

TOTAL Metals

Lot-Sample #...: C9J010287-001 **Matrix.....:** WATER
Date Sampled...: 09/30/09 **Date Received..:** 10/01/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9275095						
Cadmium	**0.85 B**	**5.0**	**ug/L**	**MCAWW 200.7**	**10/02-10/05/09**	**LLVKX1AA**
		Dilution Factor: 1		Analysis Time..: 15:27	MS Run #.....: 9275053	
		MDL.....: 0.15				
Chromium	**3.9 B**	**5.0**	**ug/L**	**MCAWW 200.7**	**10/02-10/05/09**	**LLVKX1AD**
		Dilution Factor: 1		Analysis Time..: 15:27	MS Run #.....: 9275053	
		MDL.....: 0.51				
Lead	ND	3.0	ug/L	MCAWW 200.7	10/02-10/05/09	LLVKX1AC
		Dilution Factor: 1		Analysis Time..: 15:27	MS Run #.....: 9275053	
		MDL.....: 1.2				

NOTE(S):

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: EFF 0909

TOTAL Metals

Lot-Sample #...: C9J010287-002 **Matrix.....:** WATER
Date Sampled...: 09/30/09 **Date Received..:** 10/01/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9275095						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	10/02-10/05/09	LLVK01AA
		Dilution Factor: 1		Analysis Time..: 15:16	MS Run #.....: 9275053	
		MDL.....: 0.15				
Chromium	ND	5.0	ug/L	MCAWW 200.7	10/02-10/05/09	LLVK01AC
		Dilution Factor: 1		Analysis Time..: 15:16	MS Run #.....: 9275053	
		MDL.....: 0.51				

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C9J010287 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C9J020000-095 **Prep Batch #...:** 9275095						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	10/02-10/05/09	LLVQ41AR
		Dilution Factor: 1				
		Analysis Time..: 14:22				
Chromium	ND	5.0	ug/L	MCAWW 200.7	10/02-10/05/09	LLVQ41AP
		Dilution Factor: 1				
		Analysis Time..: 14:22				
Lead	ND	3.0	ug/L	MCAWW 200.7	10/02-10/05/09	LLVQ41AC
		Dilution Factor: 1				
		Analysis Time..: 14:22				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C9J010287 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C9J020000-095 **Prep Batch #...:** 9275095					
Lead	102	(85 - 115)	MCAWW 200.7	10/02-10/05/09	LLVQ41AJ
		Dilution Factor: 1	Analysis Time..: 14:27		
Chromium	101	(85 - 115)	MCAWW 200.7	10/02-10/05/09	LLVQ41AT
		Dilution Factor: 1	Analysis Time..: 14:27		
Cadmium	103	(85 - 115)	MCAWW 200.7	10/02-10/05/09	LLVQ41AV
		Dilution Factor: 1	Analysis Time..: 14:27		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C9J010287 **Matrix.....:** WATER
Date Sampled...: 09/30/09 **Date Received..:** 10/01/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C9J010226-001 **Prep Batch #...:** 9275095							
Cadmium	102	(70 - 130)			MCAWW 200.7	10/02-10/05/09	LLTPX1A9
	102	(70 - 130)	0.88	(0-20)	MCAWW 200.7	10/02-10/05/09	LLTPX1CA
		Dilution Factor: 1					
		Analysis Time..: 14:49					
		MS Run #.....: 9275053					
Chromium	103	(70 - 130)			MCAWW 200.7	10/02-10/05/09	LLTPX1A3
	102	(70 - 130)	1.1	(0-20)	MCAWW 200.7	10/02-10/05/09	LLTPX1A4
		Dilution Factor: 1					
		Analysis Time..: 14:49					
		MS Run #.....: 9275053					
Lead	104	(70 - 130)			MCAWW 200.7	10/02-10/05/09	LLTPX1AP
	103	(70 - 130)	0.66	(0-20)	MCAWW 200.7	10/02-10/05/09	LLTPX1AQ
		Dilution Factor: 1					
		Analysis Time..: 14:49					
		MS Run #.....: 9275053					

NOTE(S):

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

Leo Brausch Consulting

Client Sample ID: INF 0909

General Chemistry

Lot-Sample #...: C9J010287-001 **Work Order #...:** LLVKX **Matrix.....:** WATER
Date Sampled...: 09/30/09 **Date Received..:** 10/01/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**9.8**	--	--	**SM20 4500-H+B**	**10/01/09**	**9274574**
		Dilution Factor: 1		Analysis Time..: 22:04	MS Run #.....: 9274303	
		MDL.....: 0.0				
Total Suspended Solids	**39.2**	**4.0**	**mg/L**	**SM20 2540D**	**10/06/09**	**9279021**
		Dilution Factor: 1		Analysis Time..: 13:25	MS Run #.....: 9279011	
		MDL.....: 2.0				

Leo Brausch Consulting

Client Sample ID: EFF 0909

General Chemistry

Lot-Sample #...: C9J010287-002 **Work Order #...:** LLVK0 **Matrix.....:** WATER
Date Sampled...: 09/30/09 **Date Received..:** 10/01/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**8.9**	--	--	**SM20 4500-H+B**	**10/01/09**	**9274574**
		Dilution Factor: 1		Analysis Time..: 22:08	MS Run #.....: 9274303	
		MDL.....: 0.0				
Total Suspended Solids	ND	4.0	mg/L	SM20 2540D	10/06/09	9279021
		Dilution Factor: 1		Analysis Time..: 13:25	MS Run #.....: 9279011	
		MDL.....: 2.0				

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C9J010287 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: LL17D1AA		MB Lot-Sample #:	C9J060000-021	
	ND	4.0	mg/L	SM20 2540D	10/06/09	9279021
		Dilution Factor: 1				
		Analysis Time..: 13:25				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: C9J010287 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH		Work Order #: LLVMD1AA	LCS Lot-Sample#: C9J010000-574		
	100	(99 - 101)	SM20 4500-H+B	10/01/09	9274574
		Dilution Factor: 1	Analysis Time..: 22:02		
Total Suspended Solids		Work Order #: LL17D1AC	LCS Lot-Sample#: C9J060000-021		
	101	(80 - 120)	SM20 2540D	10/06/09	9279021
		Dilution Factor: 1	Analysis Time..: 13:25		

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C9J010287 **Work Order #...:** LLVKX-SMP LLVKX-DUP **Matrix.....:** WATER

Date Sampled...: 09/30/09 **Date Received..:** 10/01/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH						SD Lot-Sample #: C9J010287-001		
	9.8	9.9	--	0.30	(0-2.0)	SM20 4500-H+B	10/01/09	9274574

Dilution Factor: 1 Analysis Time..: 22:04 MS Run Number..: 9274303

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C9J010287 **Work Order #...:** LLV47-SMP LLV47-DUP **Matrix.....:** WATER

Date Sampled...: 10/01/09 **Date Received..:** 10/02/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: C9J020141-001		
	17.6	17.6	mg/L	0.0	(0-20)	SM20 2540D	10/06/09	9279021

Dilution Factor: 1 Analysis Time..: 13:25 MS Run Number..: 9279011

ATTACHMENT C

LABORATORY ANALYSIS REPORT
GROUNDWATER MONITORING – SEPTEMBER 2009

Well Sampling Key
September 10, 2009
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well No.	Sample No.	Well Sampling Method
MW-30	WG-18036-091009-004	Bailer
MW-31	WG-18036-091009-005	Low-Flow
MW-32	WG-18036-091009-006	Bailer
MW-34	WG-18036-091009-002	Bailer
MW-34D	WG-18036-091009-001	Low-Flow
MW-35	WG-18036-091009-003	Bailer
Trip Blank	TB-18036-062209	--

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH BUF

Leo Brausch Buffalo Airport

Lot #: C9I110247

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.

Carrie L. Gamber
Project Manager

September 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
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 # C9I110247

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on September 11, 2009. The cooler was received within the proper temperature range.

GC/MS Volatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

Due to the concentration of target compounds detected, sample WG-18036-091009-006 was analyzed straight and at a dilution. Both sets of data are reported.

The relative percent difference between the matrix spike and matrix spike duplicate of sample WG-18036-091009-001 recovered outside control limits for 1,1-dichloroethene.

Metals:
The relative percent difference between the sample and duplicate of sample WG-18036-091009-001 recovered outside control limits for cadmium and lead.

C9I110247

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
NF office

SHIPPED TO (Laboratory Name): Test America Pittsburgh

REFERENCE NUMBER: 18036-931
18036-960
Viacom GW Sampling

SAMPLER'S SIGNATURE: David Tyran PRINTED NAME: David Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS VOCs	PARAMETERS Metals	REMARKS
	9.10.09	1025	WG-18036-091009-001	Water	4	3	1	
		1035	WG-18036-091009-002		4	3	1	
		1045	WG-18036-091009-003		4	3	1	
		1055	WG-18036-091009-004		4	3	1	
		1230	WG-18036-091009-005		4	3	1	
		1300	WG-18036-091009-006		4	3	1	
			TB-18036-091009	DI Water	3	3		

TOTAL NUMBER OF CONTAINERS: 27

HEALTH/CHEMICAL HAZARDS:

RELINQUISHED BY: ① David Tyran	DATE: 9.10.09 TIME: 1500	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: Fed Ex

WAY BILL No.

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

SAMPLE TEAM: S. Gardner, D. Tyran

RECEIVED FOR LABORATORY BY: Patricia L Faust
DATE: 9/11/09 TIME: 1012

No CRA 19143

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

METHODS SUMMARY

C9I110247

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
CLP - Volatile Organic Compounds (OLM04.2)	OCLP OLM04.2	OCLP OLM04.2
Inductively Coupled Plasma	ICLP ILM04.0/4.	ICLP ILM04.0

References:

ICLP USEPA Contract Laboratory Program Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration.

OCLP USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration.

SAMPLE SUMMARY

C9I110247

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LKM7M	001	WG-18036-091009-001	09/10/09	10:25
LKM7P	002	WG-18036-091009-002	09/10/09	10:35
LKM7Q	003	WG-18036-091009-003	09/10/09	10:45
LKM7T	004	WG-18036-091009-004	09/10/09	10:55
LKM7V	005	WG-18036-091009-005	09/10/09	12:30
LKM7X	006	WG-18036-091009-006	09/10/09	13:00
LKM70	007	TB-18036-091009	09/10/09	

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: WG-18036-091009-001

GC/MS Volatiles

Lot-Sample #...: C9I110247-001 **Work Order #...:** LKM7M1AA **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09 **MS Run #.....:** 9258233
Prep Date.....: 09/15/09 **Analysis Date..:** 09/15/09
Prep Batch #...: 9258380 **Analysis Time..:** 12:57
Dilution Factor: 1

Method.....: OCLP OLM04.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	10	ug/L	1.0
cis-1,2-Dichloroethene	ND	10	ug/L	1.0
1,1,1-Trichloroethane	ND	10	ug/L	1.0
Trichloroethene	ND	10	ug/L	1.0
Vinyl chloride	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(88 - 110)
Bromofluorobenzene	100	(86 - 115)
1,2-Dichloroethane-d4	103	(76 - 114)

Leo Brausch Consulting

Client Sample ID: WG-18036-091009-002

GC/MS Volatiles

Lot-Sample #...: C9I110247-002 **Work Order #...:** LKM7P1AA **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09 **MS Run #.....:** 9258233
Prep Date.....: 09/15/09 **Analysis Date..:** 09/15/09
Prep Batch #...: 9258380 **Analysis Time..:** 13:23
Dilution Factor: 1

Method.....: OCLP OLM04.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	10	ug/L	1.0
cis-1,2-Dichloroethene	ND	10	ug/L	1.0
1,1,1-Trichloroethane	ND	10	ug/L	1.0
Trichloroethene	ND	10	ug/L	1.0
Vinyl chloride	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(88 - 110)
Bromofluorobenzene	98	(86 - 115)
1,2-Dichloroethane-d4	101	(76 - 114)

Leo Brausch Consulting

Client Sample ID: WG-18036-091009-003

GC/MS Volatiles

Lot-Sample #...: C9I110247-003 **Work Order #...:** LKM7Q1AA **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09 **MS Run #.....:** 9258233
Prep Date.....: 09/15/09 **Analysis Date..:** 09/15/09
Prep Batch #...: 9258380 **Analysis Time..:** 15:01
Dilution Factor: 1

Method.....: OCLP OLM04.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	10	ug/L	1.0
cis-1,2-Dichloroethene	ND	10	ug/L	1.0
1,1,1-Trichloroethane	ND	10	ug/L	1.0
Trichloroethene	ND	10	ug/L	1.0
Vinyl chloride	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(88 - 110)
Bromofluorobenzene	101	(86 - 115)
1,2-Dichloroethane-d4	102	(76 - 114)

Leo Brausch Consulting

Client Sample ID: WG-18036-091009-004

GC/MS Volatiles

Lot-Sample #...: C9I110247-004 **Work Order #...:** LKM7T1AA **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09 **MS Run #.....:** 9258233
Prep Date.....: 09/15/09 **Analysis Date..:** 09/15/09
Prep Batch #...: 9258380 **Analysis Time..:** 15:47
Dilution Factor: 1

Method.....: OCLP OLM04.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	10	ug/L	1.0
cis-1,2-Dichloroethene	ND	10	ug/L	1.0
1,1,1-Trichloroethane	ND	10	ug/L	1.0
Trichloroethene	ND	10	ug/L	1.0
Vinyl chloride	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(88 - 110)
Bromofluorobenzene	98	(86 - 115)
1,2-Dichloroethane-d4	103	(76 - 114)

Leo Brausch Consulting

Client Sample ID: WG-18036-091009-005

GC/MS Volatiles

Lot-Sample #...: C9I110247-005 **Work Order #...:** LKM7V1AA **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09 **MS Run #.....:** 9258233
Prep Date.....: 09/15/09 **Analysis Date..:** 09/15/09
Prep Batch #...: 9258380 **Analysis Time..:** 17:08
Dilution Factor: 1

Method.....: OCLP OLM04.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	10	ug/L	1.0
cis-1,2-Dichloroethene	ND	10	ug/L	1.0
1,1,1-Trichloroethane	ND	10	ug/L	1.0
Trichloroethene	ND	10	ug/L	1.0
Vinyl chloride	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(88 - 110)
Bromofluorobenzene	101	(86 - 115)
1,2-Dichloroethane-d4	107	(76 - 114)

Leo Brausch Consulting

Client Sample ID: WG-18036-091009-006

GC/MS Volatiles

Lot-Sample #...: C9I110247-006 **Work Order #...:** LKM7X1AA **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09 **MS Run #.....:** 9258233
Prep Date.....: 09/15/09 **Analysis Date..:** 09/15/09
Prep Batch #...: 9258380 **Analysis Time..:** 16:14
Dilution Factor: 1

Method.....: OCLP OLM04.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	10	ug/L	1.0
cis-1,2-Dichloroethene	**300 E**	**10**	**ug/L**	**1.0**
1,1,1-Trichloroethane	ND	10	ug/L	1.0
Trichloroethene	**300 E**	**10**	**ug/L**	**1.0**
Vinyl chloride	**28**	**10**	**ug/L**	**1.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(88 - 110)
Bromofluorobenzene	100	(86 - 115)
1,2-Dichloroethane-d4	103	(76 - 114)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

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Client Sample ID: WG-18036-091009-006

GC/MS Volatiles

Lot-Sample #...: C9I110247-006 **Work Order #...:** LKM7X2AA **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09 **MS Run #.....:** 9258233
Prep Date.....: 09/15/09 **Analysis Date..:** 09/15/09
Prep Batch #...: 9258380 **Analysis Time..:** 17:32
Dilution Factor: 2.5

Method.....: OCLP OLM04.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	25	ug/L	2.5
cis-1,2-Dichloroethene	**320**	**25**	**ug/L**	**2.5**
1,1,1-Trichloroethane	ND	25	ug/L	2.5
Trichloroethene	**330**	**25**	**ug/L**	**2.5**
Vinyl chloride	**26**	**25**	**ug/L**	**2.5**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(88 - 110)
Bromofluorobenzene	101	(86 - 115)
1,2-Dichloroethane-d4	102	(76 - 114)

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Client Sample ID: TB-18036-091009

GC/MS Volatiles

Lot-Sample #...: C9I110247-007 **Work Order #...:** LKM701AA **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09 **MS Run #.....:** 9258233
Prep Date.....: 09/15/09 **Analysis Date..:** 09/15/09
Prep Batch #...: 9258380 **Analysis Time..:** 12:31
Dilution Factor: 1
Method.....: OCLP OLM04.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	10	ug/L	1.0
cis-1,2-Dichloroethene	ND	10	ug/L	1.0
1,1,1-Trichloroethane	ND	10	ug/L	1.0
Trichloroethene	ND	10	ug/L	1.0
Vinyl chloride	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(88 - 110)
Bromofluorobenzene	102	(86 - 115)
1,2-Dichloroethane-d4	104	(76 - 114)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9I110247 **Work Order #...:** LKTN91AA **Matrix.....:** WATER
MB Lot-Sample #: C9I150000-380

Prep Date.....: 09/15/09 **Analysis Time..:** 12:08
Analysis Date..: 09/15/09 **Prep Batch #...:** 9258380
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
cis-1,2-Dichloroethene	ND	10	ug/L	OCLP OLM04.2
Toluene	ND	10	ug/L	OCLP OLM04.2
1,1,1-Trichloroethane	ND	10	ug/L	OCLP OLM04.2
Trichloroethene	ND	10	ug/L	OCLP OLM04.2
Vinyl chloride	ND	10	ug/L	OCLP OLM04.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(88 - 110)
Bromofluorobenzene	101	(86 - 115)
1,2-Dichloroethane-d4	102	(76 - 114)

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 #...: C9I110247 **Work Order #...:** LKTN91AC **Matrix.....:** WATER
LCS Lot-Sample#: C9I150000-380
Prep Date.....: 09/15/09 **Analysis Date..:** 09/15/09
Prep Batch #...: 9258380 **Analysis Time..:** 13:51
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Trichloroethene	**95**	**(71 - 120)**	**OCLP OLM04.2**
Toluene	**96**	**(76 - 125)**	**OCLP OLM04.2**
1,1-Dichloroethene	**87**	**(61 - 145)**	**OCLP OLM04.2**
Benzene	**97**	**(76 - 127)**	**OCLP OLM04.2**
Chlorobenzene	**95**	**(75 - 130)**	**OCLP OLM04.2**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(88 - 110)
Bromofluorobenzene	103	(86 - 115)
1,2-Dichloroethane-d4	106	(76 - 114)

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

Client Lot #...: C9I110247 **Work Order #...:** LKM7M1AE-MS **Matrix.....:** WATER
MS Lot-Sample #: C9I110247-001 LKM7M1AF-MSD
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09 **MS Run #.....:** 9258233
Prep Date.....: 09/15/09 **Analysis Date..:** 09/15/09
Prep Batch #...: 9258380 **Analysis Time..:** 14:15
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**86**	**(71 - 120)**			**OCLP OLM04.2**
	95	**(71 - 120)**	**9.4**	**(0-14)**	**OCLP OLM04.2**
Toluene	**87**	**(76 - 125)**			**OCLP OLM04.2**
	98	**(76 - 125)**	**12**	**(0-13)**	**OCLP OLM04.2**
1,1-Dichloroethene	**79**	**(61 - 145)**			**OCLP OLM04.2**
	92 p	**(61 - 145)**	**15**	**(0-14)**	**OCLP OLM04.2**
Benzene	**89**	**(76 - 127)**			**OCLP OLM04.2**
	97	**(76 - 127)**	**7.9**	**(0-11)**	**OCLP OLM04.2**
Chlorobenzene	**87**	**(75 - 130)**			**OCLP OLM04.2**
	96	**(75 - 130)**	**10**	**(0-13)**	**OCLP OLM04.2**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(88 - 110)
	106	(88 - 110)
Bromofluorobenzene	104	(86 - 115)
	101	(86 - 115)
1,2-Dichloroethane-d4	102	(76 - 114)
	106	(76 - 114)

NOTE(S):

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

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

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Client Sample ID: WG-18036-091009-001

TOTAL Metals

Lot-Sample #...: C9I110247-001 **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9260478						
Cadmium	**0.16 B**	**5**	**ug/L**	**ICLP ILM04.0/4.1**	**09/17-09/29/09**	**LKM7M1AC**
		Dilution Factor: 1		Analysis Time..: 10:08	MS Run #.....: 9260273	
		MDL.....: 0.098				
Lead	ND	3	ug/L	ICLP ILM04.0/4.1	09/17-09/29/09	LKM7M1AD
		Dilution Factor: 1		Analysis Time..: 10:08	MS Run #.....: 9260273	
		MDL.....: 1.8				

NOTE(S):

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: WG-18036-091009-002

TOTAL Metals

Lot-Sample #...: C9I110247-002 **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9260478						
Cadmium	ND	5	ug/L	ICLP ILM04.0/4.1	09/17-09/29/09	LKM7P1AC
		Dilution Factor: 1		Analysis Time..: 10:24	MS Run #.....: 9260273	
		MDL.....: 0.098				
Lead	**3.1**	**3**	**ug/L**	**ICLP ILM04.0/4.1**	**09/17-09/29/09**	**LKM7P1AD**
		Dilution Factor: 1		Analysis Time..: 10:24	MS Run #.....: 9260273	
		MDL.....: 1.8				

Leo Brausch Consulting

Client Sample ID: WG-18036-091009-003

TOTAL Metals

Lot-Sample #...: C9I110247-003 **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9260478						
Cadmium	ND	5	ug/L	ICLP ILM04.0/4.1	09/17-09/29/09	LKM7Q1AC
		Dilution Factor: 1		Analysis Time..: 10:29	MS Run #.....: 9260273	
		MDL.....: 0.098				
Lead	**2.1 B**	**3**	**ug/L**	**ICLP ILM04.0/4.1**	**09/17-09/29/09**	**LKM7Q1AD**
		Dilution Factor: 1		Analysis Time..: 10:29	MS Run #.....: 9260273	
		MDL.....: 1.8				

NOTE(S):

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: WG-18036-091009-004

TOTAL Metals

Lot-Sample #...: C9I110247-004 **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9260478						
Cadmium	**0.63 B**	**5**	**ug/L**	**ICLP ILM04.0/4.1**	**09/17-09/29/09**	**LKM7T1AC**
		Dilution Factor: 1		Analysis Time..: 10:33	MS Run #.....: 9260273	
		MDL.....: 0.098				
Lead	**10.0**	**3**	**ug/L**	**ICLP ILM04.0/4.1**	**09/17-09/29/09**	**LKM7T1AD**
		Dilution Factor: 1		Analysis Time..: 10:33	MS Run #.....: 9260273	
		MDL.....: 1.8				

NOTE(S):

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: WG-18036-091009-005

TOTAL Metals

Lot-Sample #...: C9I110247-005 **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9260478						
Cadmium	ND	5	ug/L	ICLP ILM04.0/4.1	09/17-09/29/09	LKM7V1AC
		Dilution Factor: 1		Analysis Time..: 10:38	MS Run #.....: 9260273	
		MDL.....: 0.098				
Lead	ND	3	ug/L	ICLP ILM04.0/4.1	09/17-09/29/09	LKM7V1AD
		Dilution Factor: 1		Analysis Time..: 13:32	MS Run #.....: 9260273	
		MDL.....: 1.8				

Leo Brausch Consulting

Client Sample ID: WG-18036-091009-006

TOTAL Metals

Lot-Sample #...: C9I110247-006 **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9260478						
Cadmium	ND	5	ug/L	ICLP ILM04.0/4.1	09/17-09/29/09	LKM7X1AC
		Dilution Factor: 1		Analysis Time..: 10:51	MS Run #.....: 9260273	
		MDL.....: 0.098				
Lead	**3.8**	**3**	**ug/L**	**ICLP ILM04.0/4.1**	**09/17-09/29/09**	**LKM7X1AD**
		Dilution Factor: 1		Analysis Time..: 10:51	MS Run #.....: 9260273	
		MDL.....: 1.8				

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C9I110247 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C9I170000-478 **Prep Batch #...:** 9260478						
Cadmium	ND	5.0	ug/L	ICLP ILM04.0/4.1	09/17-09/29/09	LK1KA1AA
		Dilution Factor: 1				
		Analysis Time..: 09:59				
Lead	ND	3.0	ug/L	ICLP ILM04.0/4.1	09/17-09/29/09	LK1KA1AC
		Dilution Factor: 1				
		Analysis Time..: 09:59				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C9I110247 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C9I170000-478 **Prep Batch #...:** 9260478					
Cadmium	96	(80 - 120)	ICLP ILM04.0/4.1	09/17-09/29/09	LK1KA1AD
		Dilution Factor: 1	Analysis Time..: 10:04		
Lead	99	(80 - 120)	ICLP ILM04.0/4.1	09/17-09/29/09	LK1KA1AE
		Dilution Factor: 1	Analysis Time..: 10:04		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C9I110247 **Matrix.....:** WATER
Date Sampled...: 09/10/09 **Date Received..:** 09/11/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C9I110247-001 **Prep Batch #...:** 9260478					
Cadmium	99	(75 - 125)	ICLP ILM04.0/4.1	09/17-09/29/09	LKM7M1AG
		Dilution Factor: 1	Analysis Time..: 10:08		
		MS Run #.....: 9260273			
Lead	114	(75 - 125)	ICLP ILM04.0/4.1	09/17-09/29/09	LKM7M1AH
		Dilution Factor: 1	Analysis Time..: 10:08		
		MS Run #.....: 9260273			

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

Metals

Client Lot #...: C9I110247 **Work Order #...:** LKM7M-SMP LKM7M-DUP **Matrix.....:** WATER

Date Sampled...: 09/10/09 **Date Received..:** 09/11/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cadmium						SD Lot-Sample #: C9I110247-001		
	0.16 B	0.23 B	ug/L	36	(0-20)	ICLP ILM04.0/4.1	09/17-09/29/09	9260478
			Dilution Factor: 1			Analysis Time..: 10:08	MS Run Number..: 9260273	
Lead						SD Lot-Sample #: C9I110247-001		
	ND	2.0 B	ug/L	200	(0-20)	ICLP ILM04.0/4.1	09/17-09/29/09	9260478
			Dilution Factor: 1			Analysis Time..: 10:08	MS Run Number..: 9260273	

NOTE(S):

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

B Estimated result. Result is less than RL.

ATTACHMENT D

COMPILATION OF WATER LEVEL DATA FOLLOWING PHASE I CLOSURE OF THE 001 SEGMENT OF THE GROUNDWATER COLLECTION SYSTEM

Table D-1
Summary of Water-Level Measurements
Phase 1 Closure of 001 System

Monitoring Location	Elevation (ft-msl)		Water Levels Measured											
	Rim or Top of Riser	Ground Surface	Pre-Closure		Post-Closure									
			04/24/08		07/21/09		07/29/09		08/07/09		08/14/09		09/10/09	
			Depth (ft)	Elevation (ft-msl)	Depth (ft)	Elevation (ft-msl)	Depth (ft)	Elevation (ft-msl)	Depth (ft)	Elevation (ft-msl)	Depth (ft)	Elevation (ft-msl)	Depth (ft)	Elevation (ft-msl)
CSMH-001	701.34	701.23	0.40	700.94	6.95	694.39	4.17	697.17	6.80	694.54	6.41	694.93	6.08	695.26
MH-001-01	701.95	701.83	0.90	701.05	7.55	694.40	4.73	697.22	7.38	694.57	6.98	694.97	6.65	695.30
MH-001-09	709.01	709.10	8.22	700.79	6.37	702.64	5.65	703.36	3.75	705.26	3.62	705.39	5.97	703.04
MH-001-10	708.51	708.49	7.60	700.91	NM	NM	NM	NM	5.24	703.27	4.89	703.62	4.89	703.62
MH-001-13	704.43	704.33	4.60	699.83	4.27	700.16	3.64	700.79	5.85	698.58	NM	NM	3.79	700.64
MH-001-14	704.36	704.28	3.20	701.16	10.00	694.36	7.18	697.18	9.82	694.54	9.43	694.93	9.09	695.27
MW-30	694.65	695.30	5.33	689.32	5.54	689.11	3.98	690.67	5.06	689.59	4.64	690.01	5.49	689.16
MW-31	686.82	688.25	3.18	685.07	12.18	676.07	9.13	679.12	6.01	682.24	5.05	683.20	4.75	683.50
MW-34S	702.81	703.80	3.51	699.30	10.00	692.81	5.16	697.65	6.43	696.38	5.83	696.98	6.11	696.70
MW-34D	701.64	703.03	5.40	696.24	6.36	695.28	5.74	695.90	7.02	694.62	6.39	695.25	7.40	694.24
MW-35	--	--	--	--	Dry @ 29.7 ft-bgs		23.81	--	15.71	--	15.91	--	13.30	--

Notes:

1. *For manhole and monitoring well locations, see Figure 1.*
2. *In manholes, depths to water are measured from the top of rim.*
3. *In wells, depths to water are measured from the top of casing, except for MW-31, where depths are measured from the ground surface.*
4. *"NM" indicates not measured.*
5. *Due to very slow recharge rate, water levels at well MW-31 are not stable and measured values may not be reliable.*
6. *Surveyed elevation not yet available for top of casing at well MW-35.*

Table D-2
Changes in Water Levels in Selected Manholes and Monitoring Wells
Following Phase 1 Closure of 001 System

Monitoring Location	Water Elevation at Manhole (ft-msl)						Difference from Pre-Closure (feet)				
	Pre-Closure	Post-Closure									
		Jul 21	Jul 29	Aug 7	Aug 14	Sep 10	Jul 21	Jul 29	Aug 7	Aug 14	Sep 10
Manholes Downstream of Closed Section											
CSMH-001	700.94	694.39	697.17	694.54	694.93	695.26	-6.55	-3.77	-6.40	-6.01	-5.68
MH-001-01	701.05	694.40	697.22	694.57	694.97	695.30	-6.65	-3.83	-6.48	-6.08	-5.75
MH-001-14	701.16	694.36	697.18	694.54	694.93	695.27	-6.80	-3.98	-6.62	-6.23	-5.89
Manholes Upstream of Closed Section											
MH-001-09	700.79	702.64	703.36	705.26	705.39	703.04	1.85	2.57	4.47	4.60	2.25
MH-001-10	700.91	NM	NM	703.27	703.62	703.62	NA	NA	NA	2.71	2.71
MH-001-13	699.83	700.16	700.79	698.58	NM	700.64	0.33	0.96	-1.25	NA	0.81
Monitoring Wells											
MW-30	689.32	689.11	690.67	689.59	690.01	689.16	-0.21	1.35	0.27	0.69	-0.16
MW-34S	699.30	692.81	697.65	696.38	696.98	696.70	-6.49	-1.65	-2.92	-2.32	-2.60
MW-34D	696.24	695.28	695.90	694.62	695.25	694.24	-0.96	-0.34	-1.62	-0.99	-2.00

Notes:

1. *For manhole and monitoring well locations, see Figure 1.*
2. *"NM" indicates not measured.*
3. *"NA" indicates not available.*

Figure D-1: Select Manhole and Monitoring Well Post-Closure Hydrographs