Bi-Annual 2006 Monitoring Event Letter Report For Site No. 932001 Airco Properties, Inc., Airco Parcel Niagara Falls, New York

Prepared for

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Prepared by

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January 2007
Revision: 0
Project No.: 150C265.1005

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12 January 2007

Mr. Michael Resh
Manager of Environmental Affairs
The BOC Group, Inc.
575 Mountain Avenue
Murray Hill, New Jersey 07974

RE: Bi-Annual 2006 Monitoring Event Letter Report, Site No. 932001, Airco Properties Inc., Airco Parcel, Niagara Falls, New York
Greenstar Project No.: 150C265.1005

Dear Mr. Resh:

Greenstar Engineering, P.C. (Greenstar) is pleased to provide the Bi-Annual 2006 Monitoring Event Letter Report summarizing the operation and maintenance activities which occurred from 1 July 2006 to 31 December 2006. The post-closure monitoring and facility maintenance program was initiated at the Airco Parcel located in Niagara Falls, New York, during December 2000. Post-closure monitoring and facility maintenance is required by New York State Solid Waste Management Facilities Regulations (6 NYCRR Part 360-2.15[k][4]) and stipulated in Order on Consent No. B9-0470-94-12. The purpose of this monitoring event letter report is to summarize the analytical results of the second bi-annual 2006 groundwater monitoring event that was completed at this site in October 2006, and to summarize operations and maintenance activities completed from July through December 2006.

OBJECTIVES

In accordance with the Revised Final Post-Closure Monitoring and Facility Maintenance Plan for this site prepared by EA Engineering, PC and its affiliate EA Science and Technology (EA 2004)[1], environmental monitoring points will be maintained and sampled during the post-closure monitoring period, including groundwater, surface water, and groundwater collection treatment system (GCTS) samples. The Post-Closure Monitoring and Facility Maintenance Plan documents sampling locations, sampling parameters and methods, in addition to other required maintenance activities, such as landfill cap inspections and the operations and maintenance plan for the GCTS. Following the first 5 years of post-closure monitoring, the original Revised Final Post-Closure Monitoring and Facility Maintenance Plan which was included as Appendix A in the Interim Remedial Measure Report (EA 2001a)[2] was re-evaluated based on the data collected at the site so that the monitoring plan will be focused to address site-specific issues that may be identified.

In accordance with the updated Post-Closure Monitoring and Facility Maintenance Program the following activities are being completed:

- Environmental monitoring points are being maintained and sampled during the post-closure period. Bi-annual summary reports are submitted to the New York State Department of

1. EA Engineering, P.C. and its Affiliate EA Science and Technology. 2004. Revised Final Post-Closure Monitoring and Facility Maintenance Plan for the Airco Parcel, Niagara Falls, New York. September.
2. EA Engineering, P.C. and its Affiliate EA Science and Technology. 2001a. Interim Remedial Measure Report Documenting Closure of the Witmer Road Landfill, Niagara Falls, New York. Appendix A – Revised Final Post-Closure Monitoring and Facility Maintenance Plan. January.

Environmental Conservation (NYSDEC) Division of Solid and Hazardous Materials, Region 9; the State of New York Department of Health in Albany, New York; The BOC Group; and the document repository located at the Town of Niagara Town's Clerk's Office.

- Routine inspections are conducted of sediment ponds and the engineered wetlands to assess the presence of mosquito larvae.

- Drainage structures and ditches are maintained to prevent ponding of water and erosion of the landfill soil cap.

- Soil cover integrity, slopes, cover vegetation, drainage structures, and the perimeter road are maintained during the post-closure monitoring and maintenance period.

- A vegetative cover is maintained on all exposed final cover material, and adequate measures are taken to ensure the integrity of the final vegetated cover, topsoil layer, and underlying barrier protection layer.

- The GCTS is being operated and maintained to effectively mitigate the discharge of groundwater to surface water in the southwest corner of the Airco Parcel.

- Records are maintained of all sampling and analytical results.

The bi-annual sampling events are summarized in a letter report detailing the findings of the environmental sampling. Monitoring event letter reports will be limited to documenting the results of each sampling round. This letter report summarizes the findings of the sixth bi-annual post-closure monitoring event completed at this site, along with a summary of operation and maintenance activities performed at this site from July through December 2006. A more comprehensive evaluation of analytical trends, operation and maintenance activities, and recommended changes to the post-closure program will be provided in the 5-year review document. This document was published in July 2006.

BACKGROUND

The Airco Parcel is part of the Vanadium Corporation of America site that is located in the Town of Niagara Falls, New York (Figure 1). The entire Vanadium site is approximately 150 acres in size. The 25-acre Airco parcel operated by The BOC Group is the focus of this bi-annual sampling event. The site contains waste material from the operation of onsite and nearby production facilities.

An Immediate Investigative Work Assignment was conducted by NYSDEC for a portion of the 150-acre parcel in August 1997. Approximately 70 acres from the Niagara Mohawk Power Corporation and New York Power Authority parcel were investigated. During the investigation, NYSDEC determined that the site had been used by Vanadium Corporation of America (the owners of the site from 1924 to 1964) to dispose of wood, brick, ash, lime slag, ferrochromium silicon slag, and ferrochromium silicon dust. According to the Immediate Investigative Work Assignment, much of the surface material consisted of fill, including fly ash, dust, slag, and cinder materials.

Analysis of site groundwater during the Immediate Investigative Work Assignment indicated that surface water and groundwater standards were exceeded for hexavalent chromium and pH. Based on the Immediate Investigative Work Assignment and other investigations, the facility has been

listed as a Class 2 Hazardous Waste Site in the New York State Registry of Inactive Hazardous Waste Sites (Site No. 932001). A Class 2 listing indicates a significant threat to public health and the environment, and requires remedial action.

The Airco site remedial measures were completed in 2000 when the landfill was capped. A complete description of the history of the site, and the construction details of the landfill capping system, can be found in the Interim Remedial Measure Report (EA 2001b)[3]. During construction of the capping system a relief pipe system was installed to allow perched water to exit from under the cap without causing slope instability. Flow monitoring and quarterly sampling were initiated as part of post-closure operations and facility maintenance. The data collected since December 2000 indicated that the leachate was actually shallow groundwater discharging to surface water. The data also indicated that the discharge of groundwater at the site was seasonal. The data further indicated that elevated hexavalent chromium (Cr^{6+}) concentrations and pH in groundwater, upon mixing with surface water, remained in excess of the ambient water quality criteria.

The GCTS was designed to implement additional remedial actions, which have been deemed necessary to meet the goals of the interim remedial measures program. The main portion of the GCTS is located on the northwest corner of the site and contains the main control panel, carbon dioxide storage tank, carbon dioxide aeration system, two sediment ponds, duplex pump house, zero valence iron reaction tanks, manhole collection sump, engineered wetland, and an effluent pump station. At the southwest corner of the site there is an influent wetwell pump station. The GCTS located at the site is presented on Figure 2.

MONITORING EVENT FIELD ACTIVITIES

Monitoring Well Gauging

The site monitoring wells (MW-1B through MW-8B) were gauged prior to sampling on 10 October 2006. The depth to water ranged from 3.75 ft below top of casing at MW-6B to 13.48 ft below top of casing at MW-2B. Gauging data are summarized in the table below:

Monitoring Well	Depth to Water (ft btoc)	Well Elevation (ft AMSL)	Water Elevation (ft AMSL)
MW-1B	12.04	617.77	605.73
MW-2B	13.48	615.88	602.40
MW-3B	9.59	611.22	601.63
MW-4B	10.71	606.68	595.97
MW-5B	8.52	605.48	596.96
MW-6B	3.75	603.47	599.72
MW-7B	9.51	609.48	599.97
MW-8B	7.11	611.62	604.51

NOTE: btoc = Below top of casing.
AMSL = Above mean sea level.

An interpretation of the water table surface is illustrated on Figure 3.

3. EA Engineering, Science, and Technology. 2001b. Interim Remedial Measure Report Documenting Closure of the Witmer Road Landfill, Niagara Falls, New York. January.

Groundwater Sampling Procedures

Monitoring wells were sampled on 10 October 2006. Eight groundwater samples were collected from the site monitoring wells. Monitoring wells MW-4B, MW-5B and MW-7B were purged using dedicated bailers due to slow recharge and limited well volume. These wells were bailed dry and allowed to recharge prior to sample collection. Monitoring wells MW-1B, MW-2B, MW-3B, MW-6B, and MW-8B had adequate recharge rates for low flow sampling utilizing a peristaltic pump. Water quality readings were allowed to stabilize prior to sample collection. Due to reconstruction of the drainage swales, and removal of sediment in the southwest corner surface water sampling was delayed until 25 October 2006. Two surface water samples were collected southwest of monitoring well MW-6B, and in the drainage swale due north of the pump station. Samples were submitted to Severn Trent Laboratories of Amherst, New York for analysis of phenolics by U.S. Environmental Protection Agency (EPA) Method 420.2, sulfate by EPA Method 375.3, ammonia (expressed as nitrogen) by EPA Method 350.2, and Target Analyte List metals by EPA Series 6010/6020, including hexavalent chromium.

Groundwater sampling results were compared to NYSDEC Ambient Water Quality Standards (AWQS) (NYSDEC 1999) and guidance values for Class GA waters. Class GA groundwater is used as a source of drinking water. Surface water samples were compared to NYSDEC AWQS for Class D surface waters. Class D waters are used for fishing but are not conducive to fish propagation. If no Class D standards were applicable for a particular compound, analytical results were compared to the more stringent Class C standards. Class C waters are suitable for fishing and fish propagation. Analytical results for groundwater and surface water are summarized on the table provided in Attachment A. Copies of the well gauging, purging, and sampling forms are provided in Attachment B. Laboratory chain of-custody records are provided in Attachment C. Laboratory analytical results for groundwater and surface water sampling are included in Attachment D.

ANALYTICAL RESULTS

Based on the analytical results collected during the Fourth Quarter 2000 and First Quarter 2001, NYSDEC approved a reduction in the sampling requirements. As per a letter to NYSDEC dated 5 June 2000, samples were analyzed for water quality parameters (ammonia, phenolics, and sulfate) and total (unfiltered) metals.

Summary tables listing analytical results compared to applicable NYSDEC AWQS are included in Attachment A, and a tag map illustrating analyte results and sampling order is provided as Figure 4. Notable results of chemical analyses are as follows.

Metals

Unfiltered metals samples were collected from the 8 monitoring wells and from 2 surface water locations including one sample at the property boundary, and one upgradient of the influent wetwell. Notable results included the following:

- Chromium, hexavalent chromium, iron, magnesium, manganese, selenium and sodium were detected in one or more of the groundwater samples at concentrations in excess of NYSDEC AWQS.

- Hexavalent chromium was detected in excess of the NYSDEC AWQS in MW-2B, MW-4B and MW-8B at concentrations ranging from 0.116 mg/L to 0.332 mg/L.

- Chromium was detected in excess of the NYSDEC AWQS in MW-2B, MW-4B, MW-7B and MW-8B at concentrations ranging from 0.088 mg/L to 0.5 mg/L.

- Magnesium was detected in excess of the NYSDEC AWQS in MW-1B, MW-4B, MW-5B, MW-6B and MW-8B at concentrations ranging from 41.8 mg/L to 79.5 mg/L.

- Manganese was detected in excess of the NYSDEC AWQS in MW-1B at a concentration of 0.7 mg/L.

- Selenium was detected in excess of the NYSDEC AWQS in MW-8B at a concentration of 0.077 mg/L.

- Sodium was detected in excess of the NYSDEC AWQS in all 8 monitoring wells at concentrations ranging from 44.4 mg/L to 157 mg/L.

- No parameters were detected in excess of the NYSDEC AWQS in the surface water samples.

Water Quality Parameters

Water quality parameters, including pH, temperature, conductivity, dissolved oxygen, turbidity, and salinity, were collected in the field. In addition, water quality parameters, including ammonia (expressed as N), phenolics, and sulfate, were also analyzed by the laboratory. Notable results included the following:

- Sulfate was detected in excess of NYSDEC AWQS in MW-6B and MW-8B at concentrations ranging from 328 mg/L to 337 mg/L.

- Phenolics was detected in excess of NYSDEC AWQS in MW-2B and MW-7B at concentrations ranging from 0.008 mg/L to 0.009 mg/L.

    - pH measurements exceeded the NYSDEC AWQS of 6.5-8.5 standard pH units in monitoring wells MW-2B (13.07-13.23), MW-3B (10.77-11.21) and MW-7B (8.85-9.44), (See Attachment B).

LANDFILL INSPECTION

Landfill cap inspections were conducted on 3 August and 10 October 2006. The Landfill Cap Inspection Checklists are provided as Attachment E. No deterioration, damage, or erosion to the landfill cap was noted during the engineering inspection. The access roads were scarified to remove vegetation. Drainage swales are clear. Sediment and vegetation from the swales in the southwest corner were removed and new stone placed. The swale was regarded around the pump station in an effort to keep stormwater from entering the collection system.

GCTS OPERATIONS AND MAINTENANCE MONITORING ACTIVITIES

The GCTS is part of the Airco Parcel located near Witmer Road in Niagara Falls, New York. The GCTS was designed to implement additional remedial actions, which have been deemed necessary to meet the goals of the interim remedial measures program. The main portion of the GCTS is located on the northwest corner of the site and contains the main control panel, SCADA system, carbon dioxide storage tank, carbon dioxide aeration system, two sediment ponds, zero

valence iron reaction tanks, associated transfer pumps, engineered wetland, and an effluent pump station. At the southwest corner of the site there is an influent duplex wetwell pump station. The GCTS located at the site is presented on Figure 2. The complete operations and maintenance manual is presented as an appendix to the Post-Closure Monitoring and Facility Maintenance Plan (EA 2004)[4].

System Operations and Maintenance

The GCTS was operated throughout the 6-month period of 1 July – 31 December 2006. System monitoring was conducted throughout the operation period. Attachment G provides details of the problems encountered, and the implemented solutions.

During the report period, the GCTS operated for 4,203 hours (95.2 percent) and averaged 5.8 gpm while operating. The GCTS sampling occurred bi-weekly during the operation period. Samples were collected at various locations to evaluate treatment system performance and compliance with discharge criteria. Samples were collected from T3A (Sediment Pond A) and after treatment via the zero valence iron tank T6B (Sediment Pond B), and after the engineered wetland (EWE) bi-weekly during the GCTS operation period. The samples were analyzed in the field for total chromium and hexavalent, chromium using a HACH DR4000® spectrophotometer. The HACH DR4000® spectrophotometer is EPA approved for reporting water and wastewater analyses within a detection limit of 0.006 and 0.005 mg/L for hexavalent chromium, and 0.003 mg/L for total chromium. The engineered wetland discharge samples were analyzed in the field as well as separate quarterly samples taken for off-site laboratory analysis at Severn Trent Laboratories of Amherst, New York for a full list of discharge criteria.

Field sampling results for total and hexavalent chromium can be found in Table 1, and results of the quarterly engineered wetland discharge samples can be found in Table 2. For the period 1 July – 31 December 2006, removal rates were 100 percent for both hexavalent and total chromium. Iron Analytical results for the quarterly sampling noted that Iron (1.38 mg/L) exceeded the NYSDEC discharge criteria (0.300 mg/L) for the August discharge sample. Iron analytical results were below NYSDEC discharge criteria for the second quarterly discharge sample. The full set of laboratory analytical data for the GCTS discharge sampling can be found in Attachment F.

GCTS Modifications (July–December 2006)

GCTS modifications performed during the operational period are as follows:

- The CO_2 pressure transmitter was integrated into the PLC and SCADA system to track real time tank level and CO_2 consumption.

- Sediment from the southwest corner was removed and regarding of the swale to improve stormwater flow around the pump station was performed.

- The engineered wetland discharge line was re-routed under the access road to MW-8B to allow the water to directly discharge into the swale. The access road to MW-8B was subsequently refurbished with additional stone and geotextile fabric to restore it to specification.

4. EA Engineering, P.C. and its Affiliate EA Science and Technology. 2004. Post-Closure Monitoring and Facility Maintenance Plan for the Airco Parcel, Niagara Falls, New York. Appendix A. September.

- Construction of a new 40,000 gallon lined pond which will allow the system to run 24/7 during system failures and system down time for maintenance was installed.

- Permits for the installation of the standby generator were applied for. Installation of the generator will occur during the next report period.

Attachment G summarizes monthly operation and maintenance details for the period July through December 2006, as well as provides upcoming operation and maintenance proposed projects and modification improvements.

If you have any questions regarding the results of this Bi-Annual 2006 Monitoring Event Letter Report, please do not hesitate to contact Charles McLeod at (845) 223-9944.

Sincerely,

GREENSTAR ENGINEERING, P.C.

Charles E. McLeod, Jr., P.E.
President

CEM/cl
Attachments

cc: M. Hinton (NYSDEC)
M. Forcucci (NYSDOH)
Town of Niagara Falls (Town Clerk)

TABLE 1 SUMMARY OF FIELD SAMPLING RESULTS
1 JULY – 31 DECEMBER 2006, AIRCO PARCEL, NIAGARA FALLS, NEW YORK

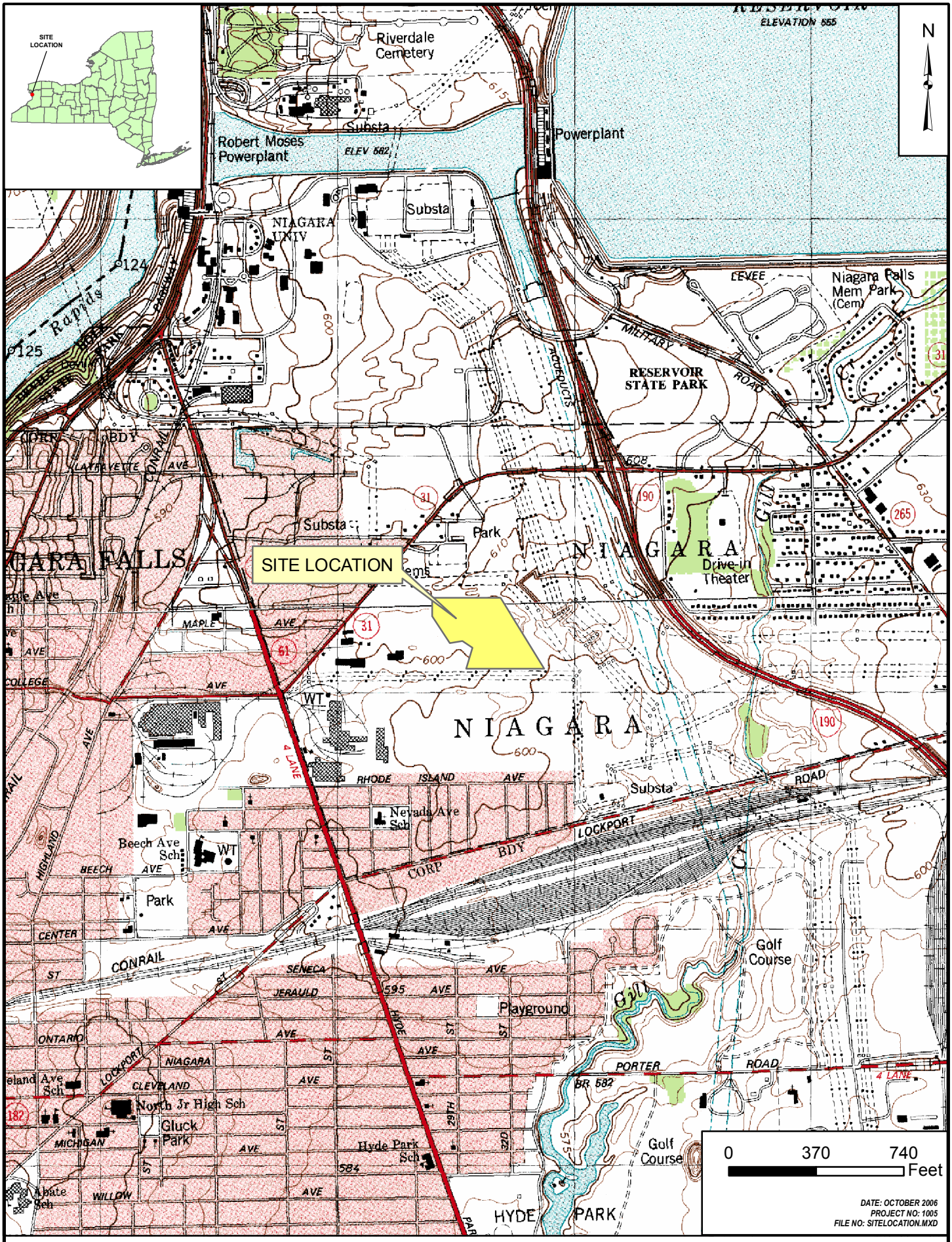
	Sediment Pond A		Sediment Pond B		Wetland Discharge	
Date	Total Chromium	Hexavalent Chromium	Total Chromium	Hexavalent Chromium	Total Chromium	Hexavalent Chromium
7/3/06	NS	105 µg/L	NS	<0.003U µg/L	NS	<0.003U µg/L
7/18/06	107 µg/L	88 µg/L	<0.006U µg/L	<0.003U µg/L	<0.006U µg/L	<0.003U µg/L
8/3/06	105 µg/L	100 µg/L	<0.006U µg/L	<0.003U µg/L	<0.006U µg/L	<0.003U µg/L
8/29/06	125 µg/L	112 µg/L	<0.006U µg/L	<0.003U µg/L	<0.006U µg/L	<0.003U µg/L
9/15/06	84 µg/L	82 µg/L	<0.006U µg/L	<0.003U µg/L	<0.006U µg/L	<0.003U µg/L
9/27/06	91 µg/L	105 µg/L	<0.006U µg/L	<0.003U µg/L	0.007 µg/L	0.004 µg/L
10/10/06(1)	55 µg/L	73 µg/L	<0.006U µg/L	<0.003U µg/L	0.014 µg/L	0.006 µg/L
10/25/06	132 µg/L	133 µg/L	<0.006U µg/L	<0.003U µg/L	0.004 µg/L	0.002 µg/L
11/14/06	140 µg/L	134 µg/L	<0.006U µg/L	<0.003U µg/L	0.006 µg/L	0.002 µg/L
11/27/06	155 µg/L	141 µg/L	<0.006U µg/L	<0.003U µg/L	<0.006U µg/L	<0.003U µg/L
12/13/06	195 µg/L	186 µg/L	<0.006U µg/L	<0.003U µg/L	<0.006U µg/L	<0.003U µg/L
12/18/06	217 µg/L	151 µg/L	<0.006U µg/L	<0.003U µg/L	<0.006U µg/L	<0.003U µg/L

NOTE: NS = Not Sampled
Unless otherwise noted, field samples analyzed using a HACH DR4000® Spectrophotometer.
Methods 8023 for Hexavalent Chromium and Method 8084 for Total Chromium.
(1) Laboratory sample results for the quarterly effluent discharge sampling of the treatment system indicated no hexavalent or total chromium.

TABLE 2 SUMMARY OF QUARTERLY DISCHARGE SAMPLING AUGUST AND OCTOBER 2006, AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Parameter	4 August 2006	11 October 2006	New York State Department of Environmental Conservation Discharge Criteria
pH	7.37	7.23	6-8 NTU
Total suspended solids	<10U	<10U	10 mg/L
Ammonia as N	<18.4U	<9.2U	9.2 mg/L
Total Kjeldahl nitrogen	1.1 mg/L	<1U mg/L	Monitor
Total Recoverable Phenolics	<0.008U	<0.008U	.008 mg/L
Biochemical oxygen demand	<5U	<5U	5.0 mg/L
1,1-Dichloroethane	<5U	<5U	5.0 µg/L
Trichloroethene	<5U	<5U	5.0 µg/L
Nickel	<0.07U	<0.07U	0.07 mg/L
Copper	<0.0147U	<0.0147U	0.0147 mg/L
Barium	<2U	<2U	2 mg/L
Total chromium	<0.1U	<0.1U	0.1 mg/L
Hexavalent chromium	<0.011U	<0.011U	0.011 mg/L
Iron	**1.38**	<0.3U	0.3 mg/L
Selenium	<0.0046	<0.0046	0.0046 mg/L
Thallium	<0.004U	<0.004U	0.004 mg/L
Zinc	<0.115U	<0.115U	0.115 mg/L
Nitrate as N	0.22 mg/L	<0.05U mg/L	Monitor
Nitrite as N	<0.05U mg/L	<0.05U mg/L	Monitor
Chemical oxygen demand	<40U	<40U	40 mg/L
Total dissolved solids	608 mg/L	774 mg/L	Monitor

NOTE: Values in bold indicate an excess of discharge criteria.



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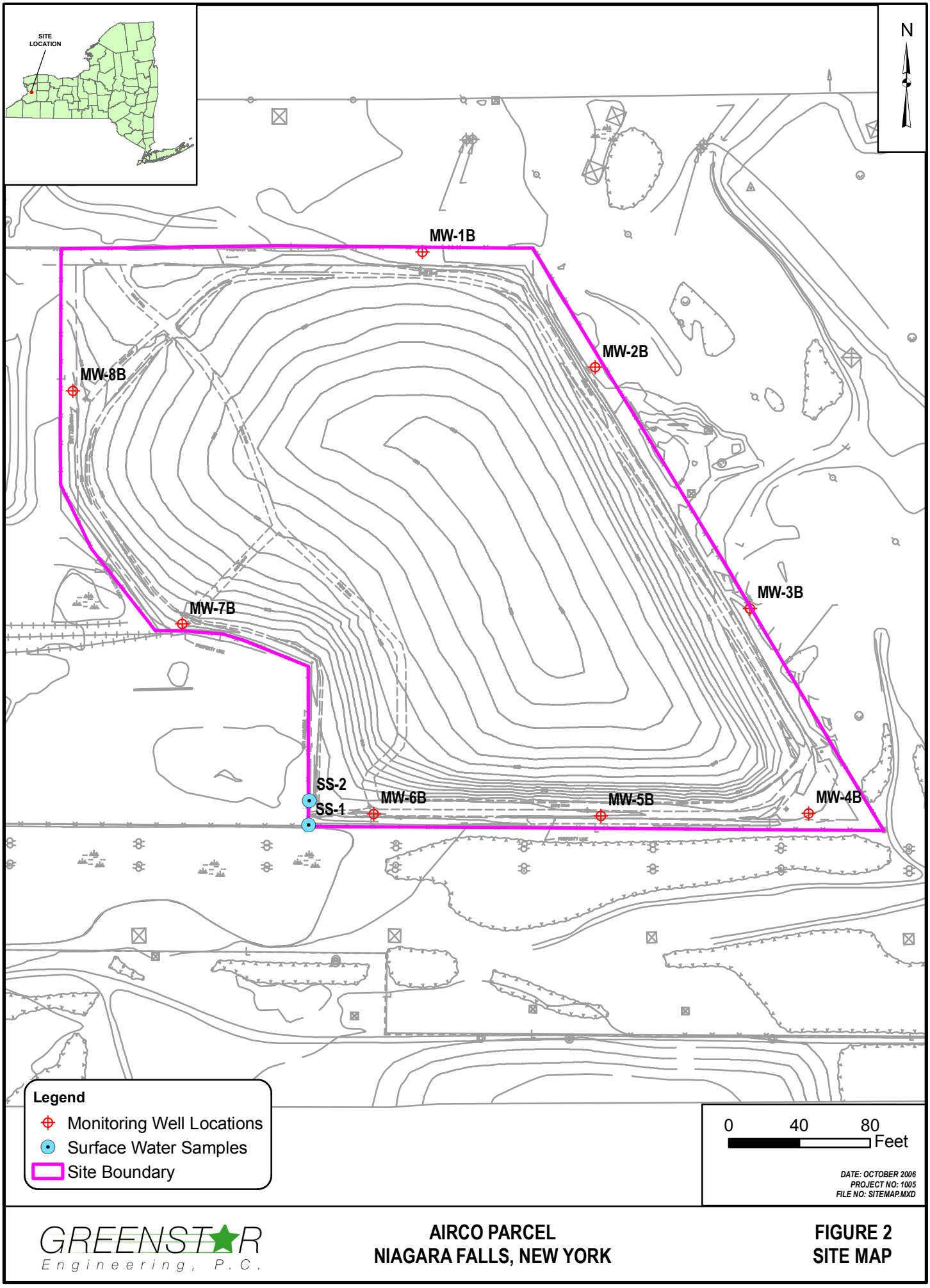
AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 1
SITE LOCATION



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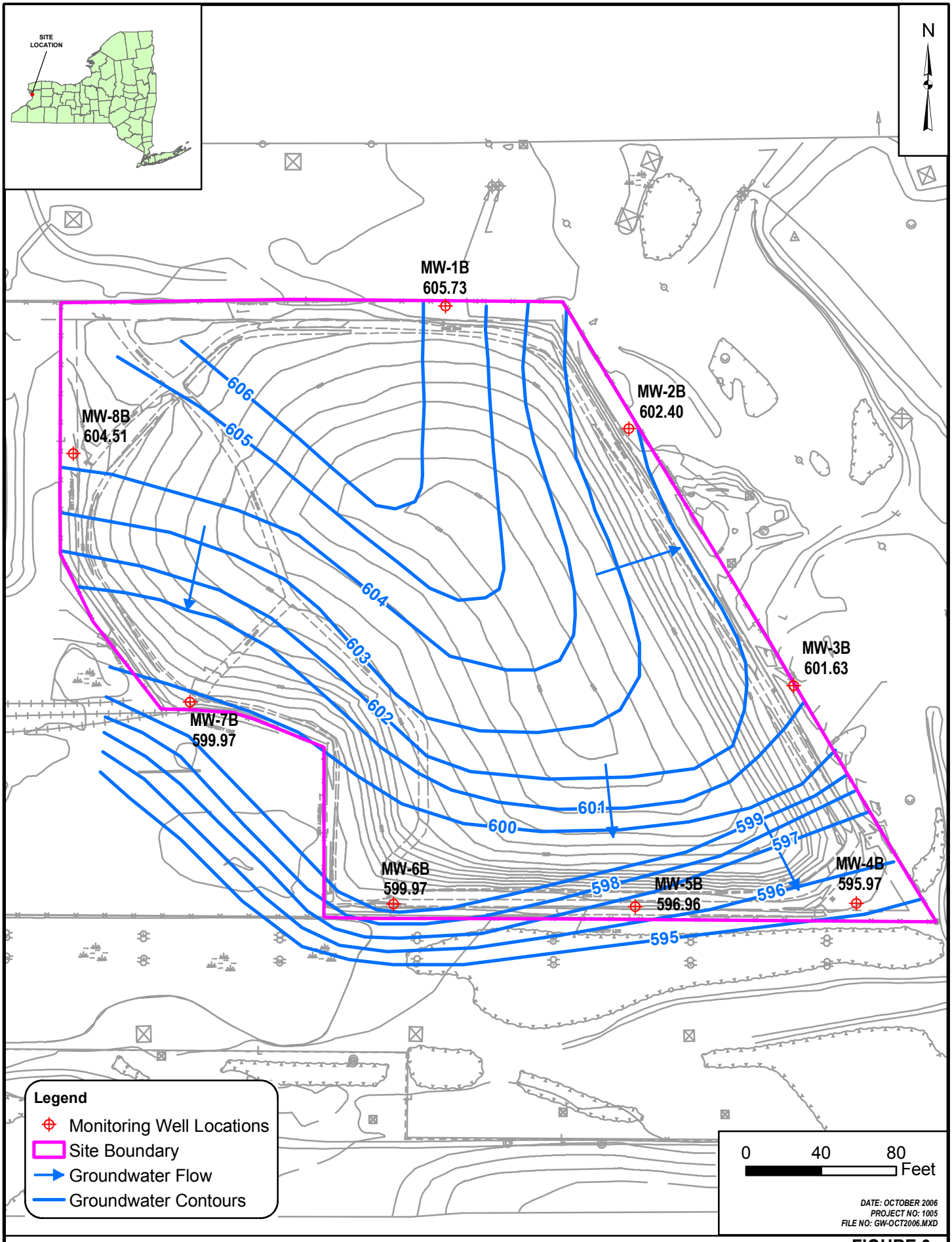
NIAGARA FALLS, NEW YORK

FIGURE 2
SITE MAP



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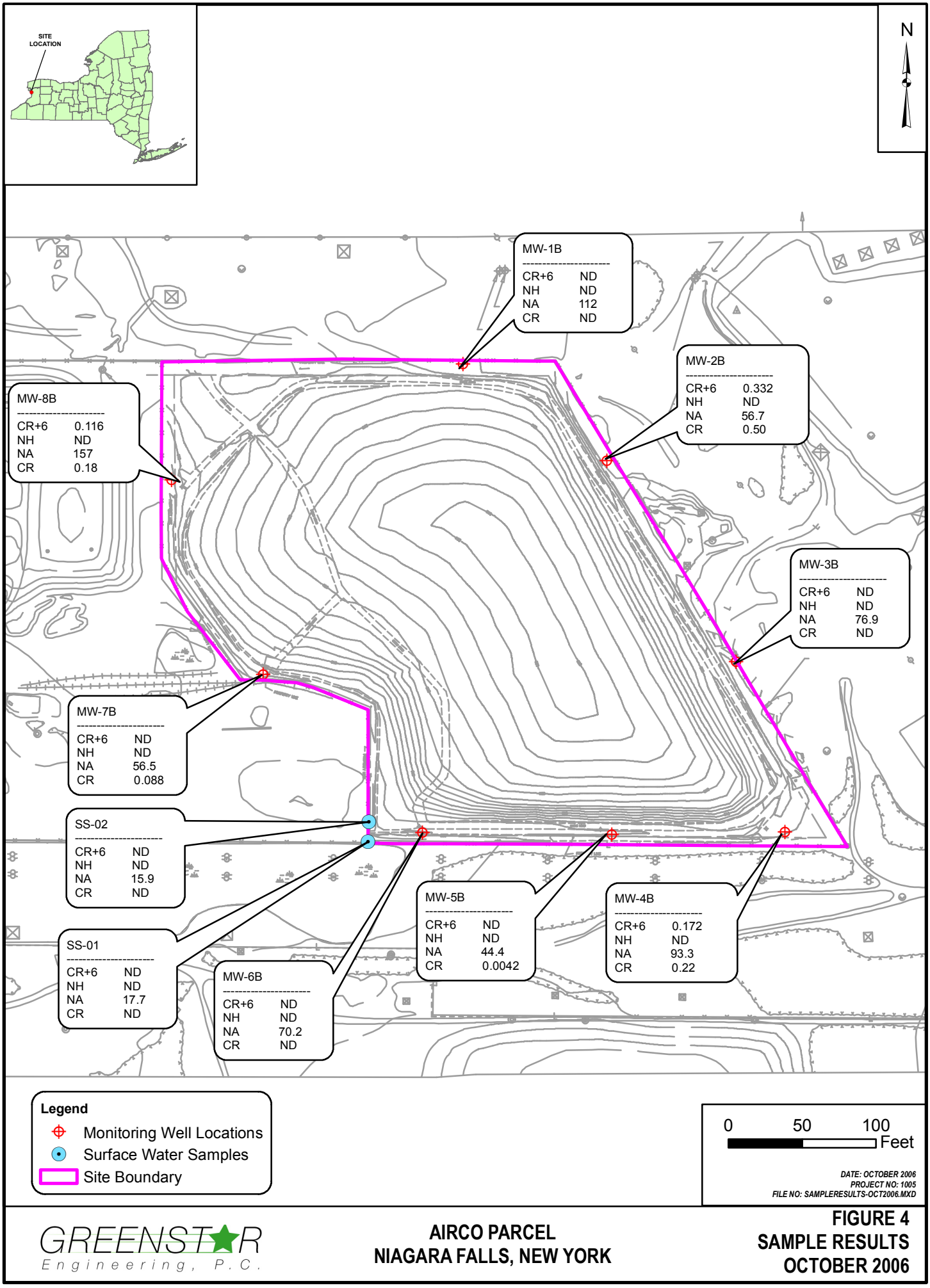
NIAGARA FALLS, NEW YORK

FIGURE 3
GROUNDWATER CONTOURS
OCTOBER 2006



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AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 4
SAMPLE RESULTS
OCTOBER 2006

Attachment A

Summary of Analytical Results of Groundwater and Surface Water Samples October 2006

ATTACHMENT A
SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER AND SURFACE WATER SAMPLES
COLLECTED IN OCTOBER 2006,
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Groundwater

Baseline Metals by EPA Method 200.7 (mg/L)

Total (Unfiltered)

		MW-1B	MW-2B	MW-2B (Dup)	MW-3B	MW-4B	MW-5B	MW-6B	MW-7B	MW-8B
Analyte	**AWQS**									
Chromium	0.05	(<0.004U)	**0.5**	**0.51**	(<0.004U)	**0.22**	0.0042	(<0.004U)	**0.088**	**0.18**
Chromium, Hexavalent	0.05	(<0.011U)	**0.332**	**0.314**	(<0.011U)	**0.172**	(<0.011U)	(<0.011U)	(<0.011U)	**0.116**
Iron	0.3	0.17	(<0.05U)	(<0.05U)	(<0.05U)	**0.96**	**0.78**	0.14	**6.9**	**1.7**
Magnesium	35*	**63.5**	(<0.2U)	(<0.2U)	2.7	**41.8**	**73.3**	**79.5**	11.1	**51.4**
Manganese	0.3	**0.7**	(<0.003U)	(<0.003U)	(<0.003U)	0.022	0.045	0.15	0.14	0.14
Selenium	0.01	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	**0.077**
Silica	---	7510	522B	544B	8960	7730	9650	7000	9220	8260
Sodium	20	**112**	**56.7**	**55.5**	**76.9**	**93.3**	**44.4**	**70.2**	**56.5**	**157**
Zinc	2*	0.48	(<0.01U)	(<0.01U)	(<0.01U)	0.025	0.057	(<0.01U)	0.032	0.052

Water Quality Parameters (mg/L)

		MW-1B	MW-2B	MW-2B (Dup)	MW-3B	MW-4B	MW-5B	MW-6B	MW-7B	MW-8B
Analyte	**AWQS**									
Phenolics	0.001	(<0.008U)	**0.008**	**0.008**	(<0.008U)	(<0.008U)	(<0.008U)	(<0.008U)	**0.009**	(<0.008U)
Sulfate	250	230	18.7	19.3	102	159	154	**337**	45	**328**

Surface Water

Baseline Metals by EPA Method 200.7 (mg/L)

Total (Unfiltered)

		SS-01	SS-02
Analyte	**AWQS**		
Chromium	---	(<0.004U)	(<0.004U)
Chromium, Hexavalent	0.016	(<0.011U)	(<0.011U)
Iron	0.3	0.28	0.067
Magnesium	---	15.7	15.9
Manganese	---	0.014	0.007
Selenium	0.0046	(<0.015U)	(<0.015U)
Silica	---	2.25B	2.61
Sodium	---	17.7	15.9
Zinc	---	0.014	(<0.01U)

Water Quality Parameters (mg/L)

		SS-01	SS-02
Analyte	**AWQS**		
Phenolics	---	0.008	0.008
Sulfate	---	29.4	3.7

QA/QC

Baseline Metals by EPA Method 200.7 (mg/L)

Total (Unfiltered)

Analyte	AWQS	Rinse Blank	Source Water Blank
Chromium	---	(<0.004U)	(<0.004U)
Chromium, Hexavalent	---	(<0.011U)	(<0.011U)
Iron	---	(<0.05U)	(<0.05U)
Magnesium	---	1.1	1.2
Manganese	---	(<0.003U)	(<0.003U)
Selenium	---	(<0.015U)	(<0.015U)
Silica	---	4930	4910
Sodium	---	2.9	3
Zinc	---	(<0.01U)	(<0.01U)

Water Quality Parameters (mg/L)

Analyte	AWQS	Rinse Blank	Source Water Blank
Phenolics	---	(<0.008U)	(<0.008U)
Sulfate	---	5.9	5.2

TABLE NOTES

AWQS	=	New York State Ambient Water Quality Standards and Guidance Values from Water Quality Regulations, Title 6, Chapter X Parts 700-706 August 1999.
*	=	Indicated guidance value.
U	=	Not detected. Sample quantitation limits shown as (<__U).
B	=	Less than sample quantitation limit but greater than instrument detection limit.

Only those analytes detected in at least one of the samples is shown on this table.
Results shaded and in boldface indicate concentrations in excess of New York State Ambient Water Quality Standards or Guidance Values.

Analytical Methods for Water Quality Parameters

Ammonia (expressed as Nitrogen)	=	EPA 350.2
Phenolics	=	EPA 420.2
Silica	=	EPA 6010
Sulfate	=	EPA 375.3

Attachment B

Well Gauging, Purging, and Sampling Forms
October 2006

GREENSTAR Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW1B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Sunny and 65
Sounding Method: WLI	**Gauge Date:** 10/9/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 15:15	**Well Diameter (in):** 2"

Purge Date: 10/10/2006	**Purge Time:** 8:15
Purge Method: Peristaltic Pump	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 27.83	**D. Well Volume (ft3):** 0.34	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 12.04	**E. Well Volume (L)** 9.75	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 15.79		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
820	12.09	0	0.25	6.57	193	10.75	1.90	4.88	6.9
827	12.91	1	0.25	6.83	52	10.84	1.89	0.67	23.2
832	12.68	2	0.25	6.92	7	10.93	1.99	0.18	7.4
836	12.69	3	0.25	7.06	-3	10.87	1.90	0.02	5.8
840	12.68	4	0.25	7.07	-4	10.86	1.90	0.03	6.4
844	12.68	5	0.25	7.09	-7	10.85	1.88	0.00	6.1
848	12.69	6	0.25	7.1	-6	10.84	1.88	0.00	6.3
852	12.69	7	0.25	7.12	-7	10.84	1.89	0	7.6

Total Quantity of Water Removed: 7 liters
Samplers: SB
Sampling Date: 10-Oct-06
Sampling Time: 9:00
Split Sample With:
Sample Type: GRAB

COMMENTS AND OBSERVATIONS:

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW2B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Sunny and 65
Sounding Method: WLI	**Gauge Date:** 10/9/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 15:10	**Well Diameter (in):** 2"

Purge Date: 10/10/2006	**Purge Time:** 13:48
Purge Method: Pesistaltic Pump	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 27.31	**D. Well Volume (ft3):** 0.30	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 13.48	**E. Well Volume (L):** 8.54	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 13.83		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1348	13.26	0	0.25	13.07	-125	13.94	4.85	1.11	7.3
1352	16.23	1	0.25	13.18	-132	12.55	4.95	0.61	6.3
1356	17.52	2	0.25	13.20	-135	12.29	4.93	0.52	5.8
1400	17.93	3	0.25	13.19	-136	12.64	4.89	0.54	5.2
1404	18.71	4	0.25	13.21	-136	13.00	4.89	0.59	4.5
1408	19.48	5	0.25	13.21	-136	13.35	4.95	0.63	4.2
1412	19.82	6	0.25	13.23	-136	13.20	4.92	0.63	4.4
1416	20.53	7	0.25	13.20	-137	12.94	4.93	0.57	4.7
1420	21.15	8	0.25	13.23	-138	12.63	4.95	0.48	4.8

Total Quantity of Water Removed:	7 liters	**Sampling Time:**	1425
Samplers:	SB	**Split Sample With:**	AP-DUP-01
Sampling Date:	10-Oct-06	**Sample Type:**	GRAB

COMMENTS AND OBSERVATIONS: AP-DUP-01 also Collected from AP-MW2B

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW3B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Sunny and 65
Sounding Method: WLI	**Gauge Date:** 10/9/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 15:05	**Well Diameter (in):** 2"

Purge Date: 10/10/2006	**Purge Time:** 9:25
Purge Method: Peristaltic Pump	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 18.41	**D. Well Volume (ft3):** 0.19	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 9.59	**E. Well Volume (L):** 5.45	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 8.82		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
925	8.78	0	0.25	11.21	29	13.62	0.551	0.85	2.2
929	10.84	1	0.25	11.15	-10	13.63	0.542	0.83	2.7
933	11.57	2	0.25	11.09	-46	13.42	0.538	1.70	2.2
937	12.00	3	0.25	11.10	-68	13.27	0.538	1.61	2.0
941	12.09	4	0.25	11.13	-115	13.04	0.551	0.64	1.8
945	12.23	5	0.25	10.98	-119	13.08	0.540	1.01	2.1
949	12.44	6	0.25	10.77	-121	13.03	0.532	1.05	2.0

Total Quantity of Water Removed:	5 liters	**Sampling Time:**	955
Samplers:	SB	**Split Sample With:**	
Sampling Date:	10-Oct-06	**Sample Type:**	GRAB

COMMENTS AND OBSERVATIONS:

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW4B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Sunny and 65
Sounding Method: WLI	**Gauge Date:** 10/9/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 15:00	**Well Diameter (in):** 2"

Purge Date: 10/9/2006	**Purge Time:** 16:05
Purge Method: Hand Bail	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 15.08	**D. Well Volume (ft3):** 0.10	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 10.71	**E. Well Volume (L):** 2.70	**Pump Type:** Dedicated hand bailer
C. Liquid Depth (ft) (A-B): 4.37		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1605	10.71	0	N/a	7.28	165	15.58	0.906	6.96	281.0
1610	13.65	3.5	N/a	7.72	118	14.56	0.883	7.57	> 1000
1620	14.62	~6	N/a	7.77	107	14.05	0.885	7.63	> 1000
1005	10.74		N/a	8.42	89	13.40	0.878	8.33	27.8

Total Quantity of Water Removed: 6 liters
Samplers: SB
Sampling Date: 10-Oct-06
Sampling Time: 1010
Split Sample With:
Sample Type: GRAB

COMMENTS AND OBSERVATIONS: Well purged dry and sampled the following day.
3 foot bailer used.

GREENSTAR Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW5B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Sunny and 65
Sounding Method: WLI	**Gauge Date:** 10/9/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 14:55	**Well Diameter (in):** 2"

Purge Date: 10/9/2006	**Purge Time:** 16:25
Purge Method: Hand Bail	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 14.22	**D. Well Volume (ft3):** 0.12	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 8.52	**E. Well Volume (L):** 3.52	**Pump Type:** Dedicated hand bailer
C. Liquid Depth (ft) (A-B): 5.70		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1625	8.52	0	N/a	7.46	151	16.07	1.20	6.29	53.3
1640	13.64	~4	N/a	7.46	136	1.17	1.17	5.94	> 1000
1015	8.55		N/a	7.44	137	1.19	1.19	4.55	21.3

Total Quantity of Water Removed: ~ 4
Samplers: SB
Sampling Date: 10-Oct-06
Sampling Time: 1020
Split Sample With:
Sample Type: GRAB

COMMENTS AND OBSERVATIONS: Well purged dry and sampled the following day.
1 foot bailer used.

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW6B	**Personnel:** Steve Bazilu	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:**
Sounding Method: WLI	**Gauge Date:** 10/9/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 14:50	**Well Diameter (in):** 2"

Purge Date: 10/10/2006	**Purge Time:** 10:44
Purge Method: Peristaltic Pump	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 23.02	**D. Well Volume (ft3):** 0.42	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 3.75	**E. Well Volume (L):** 11.90	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 19.27		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1044	3.54	0	0.25	7.47	-52	13.31	1.39	1.04	2.0
1048	7.17	1	0.25	7.45	-76	13.80	1.57	0.20	2.6
1052	7.54	2	0.25	7.48	-78	13.98	1.78	0.11	2.9
1056	8.62	3	0.25	7.47	-64	14.10	2.02	0.15	2.4
1100	10.16	4	0.25	7.46	-55	14.13	1.59	0.56	2.8
1104	10.62	5	0.25	7.46	-53	14.26	1.48	0.65	3.4
1108	11.36	6	0.25	7.46	-52	14.14	1.41	0.82	3.4
1112	12.23	7	0.25	7.44	-51	14.25	1.39	0.92	3.4
1116	12.91	8	0.25	7.43	-52	14.24	1.42	0.89	3.8

Total Quantity of Water Removed:	8 liters	**Sampling Time:**	1120
Samplers:	SB	**Split Sample With:**	
Sampling Date:	10-Oct-06	**Sample Type:**	GRAB

COMMENTS AND OBSERVATIONS:

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.:	Personnel:	Client:
AP-MW7B	Steve Bazilus	BOC GASES
Location:	**Well Condition:**	**Weather:**
Niagara Falls	Locked	Sunny and 65
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
WLI	10/9/2006	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
UP	15:30	2"

Purge Date:	Purge Time:
10/9/2006	16:55
Purge Method:	**Greenstar Personnel:**
Hand Bail	SB

Well Volume

A. Well Depth (ft):	D. Well Volume (ft3):	Depth/Height of Top of PVC:
21.79	0.27	
B. Depth to Water (ft):	**E. Well Volume (L):**	**Pump Type:**
9.51	7.58	Dedicated hand bailer
C. Liquid Depth (ft) (A-B):		**Pump Designation:**
12.28		

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1655	9.51	0	N/a	9.12	105	16.37	0.343	3.81	12.1
1710	20.78	8	N/a	9.44	92	14.30	0.358	3.32	176.0
1140	9.61		N/a	8.85	73	16.22	0.347	5.25	242.0

Total Quantity of Water Removed:	8 liters	**Sampling Time:**	1145
Samplers:	SB	**Split Sample With:**	
Sampling Date:	10-Oct-06	**Sample Type:**	GRAB

COMMENTS AND OBSERVATIONS: Well purged dry and sampled the following day.

No ID tag on well. Try low flow method with peristaltic pump next sampling event.

GREENSTAR Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.:	Personnel:	Client:
AP-MW8B	Steve Bazilus	BOC GASES
Location:	**Well Condition:**	**Weather:**
Niagara Falls	Locked	Sunny and 65
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
WLI	10/9/2006	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
UP	0:00	2"

Purge Date:	Purge Time:
10/10/2006	12:25
Purge Method:	**Greenstar Personnel:**
Peristaltic Pump	SB

Well Volume

A. Well Depth (ft):	D. Well Volume (ft3):	Depth/Height of Top of PVC:
15.51	0.18	
B. Depth to Water (ft):	**E. Well Volume (L):**	**Pump Type:**
7.11	5.19	Peristaltic Pump
C. Liquid Depth (ft) (A-B):		**Pump Designation:**
8.40		

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1225	7.14	0	0.25	7.55	149	14.17	1.58	0.45	44.2
1229	8.82	1	0.25	7.51	146	14.03	1.61	0.26	42.2
1233	9.42	2	0.25	7.46	141	13.91	1.86	0.13	51.2
1237	10.28	3	0.25	7.42	134	13.97	2.37	0.06	29.2
1241	11.14	4	0.25	7.40	129	13.88	2.92	0.06	26.2
1245	11.87	5	0.25	7.44	121	13.94	2.55	0.40	24.2
1249	12.46	6	0.25	7.48	119	14.07	2.23	0.89	32.1
1253	12.81	7	0.25	7.50	120	14.09	1.73	0.91	33.8
1257	13.09	8	0.25	7.49	121	14.10	1.72	1.02	34.3

Total Quantity of Water Removed:	8 liters	**Sampling Time:**	1300
Samplers:	SB	**Split Sample With:**	
Sampling Date:	10-Oct-06	**Sample Type:**	GRAB

COMMENTS AND OBSERVATIONS: Hand bail dry and allow to recover overnight for next sampling event.

Attachment C

Chain-of-Custody Records
August and October 2006

Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Greenstar Engineering	Charles McLeod		297901
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
6 Gellardy Drive	845-223-9944/9955		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Wappingers Falls / NY / 12590	Charles McLeod	Jason K	
Project Name and Location (State)	**Carrier/Waybill Number**		
Airco Parcel			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Quarterly	D. Sherge	Manifold	Special Instructions/ Conditions of Receipt
AP-EUE-01	8-4-06	0800		9			4	2	1	2			X			

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Steven Butler	08/04/06	12:45	1. Received By:	8-4-06	12:45
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By: 3.4°C		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
GreenStar Engineering, PC	CHIP McLEOD	10/10/06	286007
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
6 Gellatly Drive	845-223-9944/9955		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Wappingers Falls / NY / 12590		J. Kacalski	
Project Name and Location (State)	**Carrier/Waybill Number**		
Witmer Road, Niagara Falls, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: me	TSi	TPHENOLS	AMMONIA	SO4	CR+6	WQ	PP VOAS	NITRATE, NITRITE	TSS	D.O.	PH-1	Special Instructions/ Conditions of Receipt: TPS	BOD	dme	208.8	TKN	COD
AP-MW-1B	10/10/06	0900		X			1	2	2				X	X	X	X	X	X	X											
AP-MW-2B		1425		X			1	2	2				X	X	X	X	X	X	X											
AP-MW-3B		0955		X			1	2	2				X	X	X	X	X	X	X											
AP-MW-4B		1010		X			1	2	2				X	X	X	X	X	X	X											
AP-MW-5B		1020		X			1	2	2				X	X	X	X	X	X	X											
AP-MW-6B		1120		X			1	2	2				X	X	X	X	X	X	X											
AP-MW-7B		1145		X			1	2	2				X	X	X	X	X	X	X											
AP-MW-8B		1300		X			1	2	2				X	X	X	X	X	X	X											
AP-MW-DUP-01		1310		X			1	2	2				X	X	X	X	X	X	X											
AP-RB-01		1200		X			1	2	2				X	X	X	X	X	X	X											
AP-SWB-01		1155		X			1	2	2				X	X	X	X	X	X	X											
AP-EWE-01		1530		X			4	2	1	2					X	X		X	X	X	X	X	X	X	X	X	X	X	X	X

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☒ 24 Hours (CR+6) ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
S Bi	10/10/06	1635	[signature] SGL	10/10/06	1635
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

2e2.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Creamer Engineering	Chip McLeod	10/25/06	284341
Address 6 Gellatly Drive	**Telephone Number (Area Code)/Fax Number** 845-223-9544/9955	**Lab Number**	**Page** 1 of 1
City Wappingers Falls	**State** NY	**Zip Code** 12590	**Site Contact** Chip McLeod	**Lab Contact** J.K.
Project Name and Location (State) Arrow Parcel NY	**Carrier/Waybill Number**	
Contract/Purchase Order/Quote No.		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: MC, TSS	Ammonia	SO4, WQ Cr6	T Phos 15	Special Instructions/ Conditions of Receipt
AP-SS-01	10/25/06	1515		X			1	2	2				X	X	X	X	
AP-SS-02	10/25/06	1520		X			1	2	2				X	X	X	X	

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10/25/06	1915	1. Received By	10/25/06	1916
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 2.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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Attachment D

Laboratory Analytical Results for Groundwater and Surface Water Sampling October 2006

ANALYTICAL REPORT

Job#: A06-B789,A06-B791,A06-C536,A06-C538

STL Project#: NY5A9582
SDG#: 4Q06GW
Site Name: Airco - Niagara Falls
Task: Airco Parcel, Niagara Falls

Charles E. McLeod, Jr.
Greenstar Engineering, PC
6 Gellatly Drive
Wappinger Falls, NY 12590

STL Buffalo

Jason R. Kacalski
Project Manager

11/13/2006

STL Buffalo
Current Certifications

As of 9/28/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA,NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A6B78901	AP-DUP-01	WATER	10/10/2006	13:10	10/10/2006	16:35
A6B79101	AP-DUP-01	WATER	10/10/2006	13:10	10/10/2006	16:35
A6B78902	AP-MW-1B	WATER	10/10/2006	09:00	10/10/2006	16:35
A6B79102	AP-MW-1B	WATER	10/10/2006	09:00	10/10/2006	16:35
A6B78903	AP-MW-2B	WATER	10/10/2006	14:25	10/10/2006	16:35
A6B79103	AP-MW-2B	WATER	10/10/2006	14:25	10/10/2006	16:35
A6B78904	AP-MW-3B	WATER	10/10/2006	09:55	10/10/2006	16:35
A6B79104	AP-MW-3B	WATER	10/10/2006	09:55	10/10/2006	16:35
A6B78905	AP-MW-4B	WATER	10/10/2006	10:10	10/10/2006	16:35
A6B79105	AP-MW-4B	WATER	10/10/2006	10:10	10/10/2006	16:35
A6B78906	AP-MW-5B	WATER	10/10/2006	10:20	10/10/2006	16:35
A6B79106	AP-MW-5B	WATER	10/10/2006	10:20	10/10/2006	16:35
A6B78907	AP-MW-6B	WATER	10/10/2006	11:20	10/10/2006	16:35
A6B79107	AP-MW-6B	WATER	10/10/2006	11:20	10/10/2006	16:35
A6B78908	AP-MW-7B	WATER	10/10/2006	11:45	10/10/2006	16:35
A6B79108	AP-MW-7B	WATER	10/10/2006	11:45	10/10/2006	16:35
A6B78909	AP-MW-8B	WATER	10/10/2006	13:00	10/10/2006	16:35
A6B79109	AP-MW-8B	WATER	10/10/2006	13:00	10/10/2006	16:35
A6B78910	AP-RB-01	WATER	10/10/2006	12:00	10/10/2006	16:35
A6B79110	AP-RB-01	WATER	10/10/2006	12:00	10/10/2006	16:35
A6C53601	AP-SS-01	WATER	10/25/2006	15:15	10/25/2006	17:16
A6C53801	AP-SS-01	WATER	10/25/2006	15:15	10/25/2006	17:16
A6C53602	AP-SS-02	WATER	10/25/2006	15:20	10/25/2006	17:16
A6C53802	AP-SS-02	WATER	10/25/2006	15:20	10/25/2006	17:16
A6B78911	AP-SWB-01	WATER	10/10/2006	11:55	10/10/2006	16:35
A6B79111	AP-SWB-01	WATER	10/10/2006	11:55	10/10/2006	16:35

METHODS SUMMARY

Job#: A06-B789,A06-B791,A06-C536,A06-C538

STL Project#: NY5A9582
SDG#: 4Q06GW
Site Name: Airco - Niagara Falls

PARAMETER	ANALYTICAL METHOD		
Cadmium - Total	MCAWW	200.7	
Chromium - Total	MCAWW	200.7	
Iron - Total	MCAWW	200.7	
Lead - Total	MCAWW	200.7	
Magnesium - Total	MCAWW	200.7	
Manganese - Total	MCAWW	200.7	
Selenium - Total	MCAWW	200.7	
Silicon - Total	SW8463	6010	
Sodium - Total	MCAWW	200.7	
Thallium - Total	MCAWW	200.7	
Zinc - Total	MCAWW	200.7	
Ammonia	MCAWW	350.1	*
Hexavalent Chromium - Total	SW8463	7196A	
Sulfate	MCAWW	300.0	
Total Recoverable Phenolics	MCAWW	420.2	

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

* Ammonia and/or Fluoride were not distilled prior to analysis.

NON-CONFORMANCE SUMMARY

Job#: A06-B789,A06-B791,A06-C536,A06-C538

STL Project#: NY5A9582
SDG#: 4Q06GW
Site Name: Airco - Niagara Falls

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-B789
Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.
A06-B791
Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.
A06-C536
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.
A06-C538
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

Metals Data

Silicon was subcontracted to STL Connecticut. The complete subcontract report is included in this report as Appendix A. Comments pertaining to Silicon may be found within the comment summary of the subcontract report.

Silicon was subcontracted to STL Connecticut. The complete subcontract report is included in this report as Appendix A. Comments pertaining to Silicon may be found within the comment summary of the subcontract report.

Wet Chemistry Data

The values obtained for Hexavalent Chromium on samples AP-MW-2B, AP-MW-4B and AP-MW-8B are inconsistent with historical trends. Reanalysis was performed and the values were confirmed.

****

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
AP-MW-1B	A6B78902	Sulfate	5.00	008
AP-MW-2B	A6B78903	Hexavalent Chromium - Total	2.00	008
AP-MW-3B	A6B78904	Sulfate	2.00	008
AP-MW-4B	A6B78905	Sulfate	2.00	008
AP-MW-5B	A6B78906	Sulfate	2.00	008
AP-MW-6B	A6B78907	Sulfate	5.00	008
AP-MW-6B	A6B78907MS	Sulfate	5.00	008
AP-MW-8B	A6B78909	Sulfate	5.00	008
AP-DUP-01	A6B79101	Silicon - Total	5.00	013
AP-MW-1B	A6B79102	Silicon - Total	5.00	013
AP-MW-2B	A6B79103	Silicon - Total	5.00	013
AP-MW-3B	A6B79104	Silicon - Total	5.00	013
AP-MW-4B	A6B79105	Silicon - Total	5.00	013
AP-MW-5B	A6B79106	Silicon - Total	5.00	013
AP-MW-6B	A6B79107	Silicon - Total	5.00	013
AP-MW-7B	A6B79108	Silicon - Total	5.00	013
AP-MW-8B	A6B79109	Silicon - Total	5.00	013
AP-RB-01	A6B79110	Silicon - Total	5.00	013
AP-SWB-01	A6B79111	Silicon - Total	5.00	013
AP-SS-01	A6C53801	Silicon - Total	5.00	013
AP-SS-02	A6C53802	Silicon - Total	5.00	013

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

The requested project specific reporting limits listed below were less than STL's standard quantitation limits. It must be noted that results reported below STL's standard quantitation limit (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Parameter	Unit	Client DL	STL PQL
420.2	Total Recoverable Phenolics	UG/L	8.0	10

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-DUP-01
Lab Sample ID: A6B78901
Date Collected: 10/10/2006
Time Collected: 13:10

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/12/2006 02:44	AK
Chromium - Total	0.51		0.0040	MG/L	200.7	10/12/2006 02:44	AK
Iron - Total	ND		0.050	MG/L	200.7	10/12/2006 02:44	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/12/2006 02:44	AK
Magnesium - Total	ND		0.20	MG/L	200.7	10/12/2006 02:44	AK
Manganese - Total	ND		0.0030	MG/L	200.7	10/12/2006 02:44	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/12/2006 02:44	AK
Sodium - Total	55.5		1.0	MG/L	200.7	10/16/2006 15:09	TWS
Thallium - Total	ND		0.020	MG/L	200.7	10/12/2006 02:44	AK
Zinc - Total	ND		0.010	MG/L	200.7	10/12/2006 02:44	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/11/2006 10:24	ERK
Hexavalent Chromium - Total	314		11.0	UG/L	7196A	10/11/2006 08:50	KD
Sulfate	19.3		2.0	MG/L	300.0	10/11/2006 12:48	SS
Total Recoverable Phenolics	8.0		8.0	UG/L	420.2	10/16/2006 10:47	LRM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-DUP-01
Lab Sample ID: A6B79101
Date Collected: 10/10/2006
Time Collected: 13:10

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	544	B	2500.00000	MG/L	6010	10/17/2006	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-1B
Lab Sample ID: A6B78902
Date Collected: 10/10/2006
Time Collected: 09:00

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/12/2006 02:49	AK
Chromium - Total	ND		0.0040	MG/L	200.7	10/12/2006 02:49	AK
Iron - Total	0.17		0.050	MG/L	200.7	10/12/2006 02:49	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/12/2006 02:49	AK
Magnesium - Total	63.5		0.20	MG/L	200.7	10/12/2006 02:49	AK
Manganese - Total	0.70		0.0030	MG/L	200.7	10/12/2006 02:49	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/12/2006 02:49	AK
Sodium - Total	112		1.0	MG/L	200.7	10/16/2006 15:14	TWS
Thallium - Total	ND		0.020	MG/L	200.7	10/12/2006 02:49	AK
Zinc - Total	0.48		0.010	MG/L	200.7	10/12/2006 02:49	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/11/2006 10:24	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	10/11/2006 08:50	KD
Sulfate	230		10	MG/L	300.0	10/20/2006 13:46	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	10/16/2006 10:47	LRM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-1B
Lab Sample ID: A6B79102
Date Collected: 10/10/2006
Time Collected: 09:00

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	7510		2500.00000	MG/L	6010	10/17/2006	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-2B
Lab Sample ID: A6B78903
Date Collected: 10/10/2006
Time Collected: 14:25

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/12/2006 02:54	AK
Chromium - Total	0.50		0.0040	MG/L	200.7	10/12/2006 02:54	AK
Iron - Total	ND		0.050	MG/L	200.7	10/12/2006 02:54	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/12/2006 02:54	AK
Magnesium - Total	ND		0.20	MG/L	200.7	10/12/2006 02:54	AK
Manganese - Total	ND		0.0030	MG/L	200.7	10/12/2006 02:54	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/12/2006 02:54	AK
Sodium - Total	56.7		1.0	MG/L	200.7	10/16/2006 16:18	TWS
Thallium - Total	ND		0.020	MG/L	200.7	10/12/2006 02:54	AK
Zinc - Total	ND		0.010	MG/L	200.7	10/12/2006 02:54	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/11/2006 10:24	ERK
Hexavalent Chromium - Total	332		22.0	UG/L	7196A	10/11/2006 08:50	KD
Sulfate	18.7		2.0	MG/L	300.0	10/11/2006 12:48	SS
Total Recoverable Phenolics	8.0		8.0	UG/L	420.2	10/19/2006 08:42	LRM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-2B
Lab Sample ID: A6B79103
Date Collected: 10/10/2006
Time Collected: 14:25

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	522	B	2500.00000	MG/L	6010	10/17/2006	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-3B
Lab Sample ID: A6B78904
Date Collected: 10/10/2006
Time Collected: 09:55

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/12/2006 02:58	AK
Chromium - Total	ND		0.0040	MG/L	200.7	10/12/2006 02:58	AK
Iron - Total	ND		0.050	MG/L	200.7	10/12/2006 02:58	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/12/2006 02:58	AK
Magnesium - Total	2.7		0.20	MG/L	200.7	10/12/2006 02:58	AK
Manganese - Total	ND		0.0030	MG/L	200.7	10/12/2006 02:58	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/12/2006 02:58	AK
Sodium - Total	76.9		1.0	MG/L	200.7	10/16/2006 16:23	TWS
Thallium - Total	ND		0.020	MG/L	200.7	10/12/2006 02:58	AK
Zinc - Total	ND		0.010	MG/L	200.7	10/12/2006 02:58	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/11/2006 10:24	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	10/11/2006 08:50	KD
Sulfate	102		4.0	MG/L	300.0	10/11/2006 12:48	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	10/16/2006 10:47	LRM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-3B
Lab Sample ID: A6B79104
Date Collected: 10/10/2006
Time Collected: 09:55

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	8960		2500.00000	MG/L	6010	10/17/2006	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-4B
Lab Sample ID: A6B78905
Date Collected: 10/10/2006
Time Collected: 10:10

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/12/2006 03:03	AK
Chromium - Total	0.22		0.0040	MG/L	200.7	10/12/2006 03:03	AK
Iron - Total	0.96		0.050	MG/L	200.7	10/12/2006 03:03	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/12/2006 03:03	AK
Magnesium - Total	41.8		0.20	MG/L	200.7	10/12/2006 03:03	AK
Manganese - Total	0.022		0.0030	MG/L	200.7	10/12/2006 03:03	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/12/2006 03:03	AK
Sodium - Total	93.3		1.0	MG/L	200.7	10/16/2006 16:28	TWS
Thallium - Total	ND		0.020	MG/L	200.7	10/12/2006 03:03	AK
Zinc - Total	0.025		0.010	MG/L	200.7	10/12/2006 03:03	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/11/2006 10:24	ERK
Hexavalent Chromium - Total	172		11.0	UG/L	7196A	10/11/2006 08:50	KD
Sulfate	159		4.0	MG/L	300.0	10/11/2006 12:48	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	10/16/2006 10:47	LRM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-4B
Lab Sample ID: A6B79105
Date Collected: 10/10/2006
Time Collected: 10:10

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	7730		2500.00000	MG/L	6010	10/17/2006	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-5B
Lab Sample ID: A6B78906
Date Collected: 10/10/2006
Time Collected: 10:20

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/12/2006 03:08	AK
Chromium - Total	0.0042		0.0040	MG/L	200.7	10/12/2006 03:08	AK
Iron - Total	0.78		0.050	MG/L	200.7	10/12/2006 03:08	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/12/2006 03:08	AK
Magnesium - Total	73.3		0.20	MG/L	200.7	10/12/2006 03:08	AK
Manganese - Total	0.045		0.0030	MG/L	200.7	10/12/2006 03:08	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/12/2006 03:08	AK
Sodium - Total	44.4		1.0	MG/L	200.7	10/16/2006 16:33	TWS
Thallium - Total	ND		0.020	MG/L	200.7	10/12/2006 03:08	AK
Zinc - Total	0.057		0.010	MG/L	200.7	10/12/2006 03:08	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/11/2006 10:24	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	10/11/2006 08:50	KD
Sulfate	154		4.0	MG/L	300.0	10/11/2006 12:48	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	10/16/2006 10:47	LRM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-5B
Lab Sample ID: A6B79106
Date Collected: 10/10/2006
Time Collected: 10:20

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	9650		2500.00000	MG/L	6010	10/17/2006	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-6B
Lab Sample ID: A6B78907
Date Collected: 10/10/2006
Time Collected: 11:20

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/12/2006 03:24	AK
Chromium - Total	ND		0.0040	MG/L	200.7	10/12/2006 03:24	AK
Iron - Total	0.14		0.050	MG/L	200.7	10/12/2006 03:24	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/12/2006 03:24	AK
Magnesium - Total	79.5		0.20	MG/L	200.7	10/12/2006 03:24	AK
Manganese - Total	0.15		0.0030	MG/L	200.7	10/12/2006 03:24	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/12/2006 03:24	AK
Sodium - Total	70.2		1.0	MG/L	200.7	10/16/2006 16:38	TWS
Thallium - Total	ND		0.020	MG/L	200.7	10/12/2006 03:24	AK
Zinc - Total	ND		0.010	MG/L	200.7	10/12/2006 03:24	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/11/2006 10:24	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	10/11/2006 08:50	KD
Sulfate	337		10	MG/L	300.0	10/11/2006 12:48	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	10/16/2006 10:47	LRM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-6B
Lab Sample ID: A6B79107
Date Collected: 10/10/2006
Time Collected: 11:20

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	7000		2500.00000	MG/L	6010	10/17/2006	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-7B
Lab Sample ID: A6B78908
Date Collected: 10/10/2006
Time Collected: 11:45

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/12/2006 03:29	AK
Chromium - Total	0.088		0.0040	MG/L	200.7	10/12/2006 03:29	AK
Iron - Total	6.9		0.050	MG/L	200.7	10/12/2006 03:29	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/12/2006 03:29	AK
Magnesium - Total	11.1		0.20	MG/L	200.7	10/12/2006 03:29	AK
Manganese - Total	0.14		0.0030	MG/L	200.7	10/12/2006 03:29	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/12/2006 03:29	AK
Sodium - Total	56.5		1.0	MG/L	200.7	10/16/2006 16:43	TWS
Thallium - Total	ND		0.020	MG/L	200.7	10/12/2006 03:29	AK
Zinc - Total	0.032		0.010	MG/L	200.7	10/12/2006 03:29	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/11/2006 10:24	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	10/11/2006 08:50	KD
Sulfate	45.0		2.0	MG/L	300.0	10/11/2006 12:48	SS
Total Recoverable Phenolics	9.0		8.0	UG/L	420.2	10/16/2006 10:47	LRM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-7B
Lab Sample ID: A6B79108
Date Collected: 10/10/2006
Time Collected: 11:45

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	9220		2500.00000	MG/L	6010	10/17/2006	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-8B
Lab Sample ID: A6B78909
Date Collected: 10/10/2006
Time Collected: 13:00

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/12/2006 03:34	AK
Chromium - Total	0.18		0.0040	MG/L	200.7	10/12/2006 03:34	AK
Iron - Total	1.7		0.050	MG/L	200.7	10/12/2006 03:34	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/12/2006 03:34	AK
Magnesium - Total	51.4		0.20	MG/L	200.7	10/12/2006 03:34	AK
Manganese - Total	0.14		0.0030	MG/L	200.7	10/12/2006 03:34	AK
Selenium - Total	0.077		0.015	MG/L	200.7	10/12/2006 03:34	AK
Sodium - Total	157		1.0	MG/L	200.7	10/16/2006 16:48	TWS
Thallium - Total	ND		0.020	MG/L	200.7	10/12/2006 03:34	AK
Zinc - Total	0.052		0.010	MG/L	200.7	10/12/2006 03:34	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/11/2006 10:24	ERK
Hexavalent Chromium - Total	116		11.0	UG/L	7196A	10/11/2006 08:50	KD
Sulfate	328		10	MG/L	300.0	10/20/2006 13:46	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	10/16/2006 10:47	LRM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-8B
Lab Sample ID: A6B79109
Date Collected: 10/10/2006
Time Collected: 13:00

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	8260		2500.00000	MG/L	6010	10/17/2006	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-RB-01
Lab Sample ID: A6B78910
Date Collected: 10/10/2006
Time Collected: 12:00

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/12/2006 03:39	AK
Chromium - Total	ND		0.0040	MG/L	200.7	10/12/2006 03:39	AK
Iron - Total	ND		0.050	MG/L	200.7	10/12/2006 03:39	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/12/2006 03:39	AK
Magnesium - Total	1.1		0.20	MG/L	200.7	10/12/2006 03:39	AK
Manganese - Total	ND		0.0030	MG/L	200.7	10/12/2006 03:39	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/12/2006 03:39	AK
Sodium - Total	2.9		1.0	MG/L	200.7	10/16/2006 16:53	TWS
Thallium - Total	ND		0.020	MG/L	200.7	10/12/2006 03:39	AK
Zinc - Total	ND		0.010	MG/L	200.7	10/12/2006 03:39	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/11/2006 10:24	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	10/11/2006 08:50	KD
Sulfate	5.9		2.0	MG/L	300.0	10/11/2006 12:48	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	10/16/2006 10:47	LRM

Sample ID: AP-RB-01
Lab Sample ID: A6B79110
Date Collected: 10/10/2006
Time Collected: 12:00

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	4930		2500.00000	MG/L	6010	10/17/2006	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SS-01
Lab Sample ID: A6C53601
Date Collected: 10/25/2006
Time Collected: 15:15

Date Received: 10/25/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/28/2006 02:18	AK
Chromium - Total	ND		0.0040	MG/L	200.7	10/28/2006 02:18	AK
Iron - Total	0.28		0.050	MG/L	200.7	10/28/2006 02:18	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/28/2006 02:18	AK
Magnesium - Total	15.7		0.20	MG/L	200.7	10/28/2006 02:18	AK
Manganese - Total	0.014		0.0030	MG/L	200.7	10/28/2006 02:18	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/28/2006 02:18	AK
Sodium - Total	17.7		1.0	MG/L	200.7	10/28/2006 02:18	AK
Thallium - Total	ND		0.020	MG/L	200.7	10/28/2006 02:18	AK
Zinc - Total	0.014		0.010	MG/L	200.7	10/28/2006 02:18	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/26/2006 09:30	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	10/25/2006 20:15	SM
Sulfate	29.4		2.0	MG/L	300.0	11/01/2006 13:53	SS
Total Recoverable Phenolics	8.0		8.0	UG/L	420.2	10/31/2006 08:08	LRM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SS-01
Lab Sample ID: A6C53801
Date Collected: 10/25/2006
Time Collected: 15:15

Date Received: 10/25/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	2.25	B	2.50000	MG/L	6010	11/01/2006	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SS-02
Lab Sample ID: A6C53602
Date Collected: 10/25/2006
Time Collected: 15:20

Date Received: 10/25/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/28/2006 02:23	AK
Chromium - Total	ND		0.0040	MG/L	200.7	10/28/2006 02:23	AK
Iron - Total	0.067		0.050	MG/L	200.7	10/28/2006 02:23	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/28/2006 02:23	AK
Magnesium - Total	15.9		0.20	MG/L	200.7	10/28/2006 02:23	AK
Manganese - Total	0.0070		0.0030	MG/L	200.7	10/28/2006 02:23	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/28/2006 02:23	AK
Sodium - Total	15.9		1.0	MG/L	200.7	10/28/2006 02:23	AK
Thallium - Total	ND		0.020	MG/L	200.7	10/28/2006 02:23	AK
Zinc - Total	ND		0.010	MG/L	200.7	10/28/2006 02:23	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/26/2006 09:30	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	10/25/2006 20:15	SM
Sulfate	3.7		2.0	MG/L	300.0	11/01/2006 13:53	SS
Total Recoverable Phenolics	8.0		8.0	UG/L	420.2	10/26/2006 18:59	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SS-02
Lab Sample ID: A6C53802
Date Collected: 10/25/2006
Time Collected: 15:20

Date Received: 10/25/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	2.61		2.50000	MG/L	6010	11/01/2006	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SWB-01
Lab Sample ID: A6B78911
Date Collected: 10/10/2006
Time Collected: 11:55

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/12/2006 03:44	AK
Chromium - Total	ND		0.0040	MG/L	200.7	10/12/2006 03:44	AK
Iron - Total	ND		0.050	MG/L	200.7	10/12/2006 03:44	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/12/2006 03:44	AK
Magnesium - Total	1.2		0.20	MG/L	200.7	10/12/2006 03:44	AK
Manganese - Total	ND		0.0030	MG/L	200.7	10/12/2006 03:44	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/12/2006 03:44	AK
Sodium - Total	3.0		1.0	MG/L	200.7	10/16/2006 16:58	TWS
Thallium - Total	ND		0.020	MG/L	200.7	10/12/2006 03:44	AK
Zinc - Total	ND		0.010	MG/L	200.7	10/12/2006 03:44	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/11/2006 10:24	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	10/11/2006 08:50	KD
Sulfate	5.2		2.0	MG/L	300.0	10/11/2006 12:48	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	10/19/2006 09:37	LRM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SWB-01
Lab Sample ID: A6B79111
Date Collected: 10/10/2006
Time Collected: 11:55

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	4910		2500.00000	MG/L	6010	10/17/2006	SUB

Batch Quality Control Data

Date: 11/13/2006 21:21:34
Batch No: A6B27938

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A6B72702 A6B72702MS A6B72702SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
TOTAL METALS ANALYSIS												
ISG - TOTAL IRON 200.7 - W	MG/L	0.150	9.99	10.15	10.0	10.0	98	100	99	2	20.0	70-130

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

Lab Sample ID: A6B42404 A6B42404MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS LAN - METHOD 300.0/SULFATE BY IC	MG/L	93.60	114.4	25.00	84	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B73403 A6B73403MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE	MG/L	52.95	70.64	25.00	71 *	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B73404 A6B73404MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.0650	0.245	0.200	90	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B74401 A6B74401MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE BY IC	MG/L	9.23	32.37	25.00	92	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B78302 A6B78302MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.0118	0.191	0.200	90	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B78304 A6B78304MS A6B78304SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
WET CHEMISTRY ANALYSIS												
METHOD 300.0 - CHLORIDE	MG/L	25.29	51.23	46.76	25.00	25.00	104	86	95	19	20.0	73-114
METHOD 350.1 - AMMONIA	MG/L-N	0.0817	0.245	0.251	0.200	0.200	82	85	84	4	20.0	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B78902 A6B78902MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	0	50.80	50.00	102	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B78907 A6B78907MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE BY IC	MG/L	67.39	92.99	25.00	102	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B78909 A6B78909MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	2.00	105.0	100.0	103	60-143

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B78911 A6B78911MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	0	55.40	50.00	111	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B86313 A6B86313MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.1 - TOTAL RECOVERABLE PHENO	MG/L	0.00100	0.105	0.100	104	60-143

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B95202 A6B95202MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9066 - TOTAL RECOVERABLE PHENOL	MG/L	0	0.0830	0.100	83	60-143

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B95304 A6B95304MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - CHLORIDE	MG/L	61.96	79.12	25.00	69 *	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B95307 A6B95307MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.1 - TOTAL RECOVERABLE PHENO	MG/L	0	0.0570	0.100	57 *	60-143

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C00102 A6C00102MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE	MG/L	81.74	97.64	25.00	64 *	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C04406 A6C04406MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS						
ALLIED - METHOD 300.0 - CHLORIDE - W	MG/L	29.05	51.69	25.00	90	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C11609 A6C11609MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS ALLIED - METHOD 300.0 - CHLORIDE - W	MG/L	1.57	23.12	25.00	86	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C11617 A6C11617MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
ALLIED - METHOD 300.0 - CHLORIDE - W	MG/L	4.95	27.16	25.00	89	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C13703 A6C13703MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE	MG/L	0.160	23.93	25.00	95	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C17913 A6C17913MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - CHLORIDE	MG/L	1.45	21.52	25.00	80	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C20306 A6C20306MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD SM4110C - CHLORIDE	MG/L	2.32	24.71	25.00	90	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C20602 A6C20602MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - FLUORIDE	MG/L	0.0400	2.95	2.50	116	77-119

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C20802 A6C20802MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS 340.2 - FLUORIDE - RL= 0.05 MG/L	MG/L	1.06	3.89	2.50	113	77-119

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C21804 A6C21804MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE	MG/L	5.28	27.91	25.00	90	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Date: 11/13/2006 21:21:34
Batch No: A6B29238

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A6C27302 A6C27302MS A6C27302SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE	MG/L	33.42	58.52	59.47	25.00	25.00	100	104	102	4	20.0	75-125

62/141

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

Lab Sample ID: A6C35810 A6C35810MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
TVGA - ASP00 420.2/TOTAL RECOVERABLE P	MG/L	0.00700	0.107	0.100	100	60-143

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C36002 A6C36002MS A6C36002SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.157	0.191	0.186	0.100	0.100	33 *	28 *	31	16	20.0	60-143

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C47307 A6C47307MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
EPA 350.1 - AMMONIA NITROGEN	MG/L-N	0.0233	0.228	0.200	102	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C50304 A6C50304MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE	MG/L	32.74	57.13	25.00	98	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C50504 A6C50504MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS 350.1 - NITROGEN - AMMONIA, FILTERED	MG/L-N	0.0365	0.220	0.200	92	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C56603 A6C56603MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD SM4110C - SULFATE	MG/L	11.50	36.46	25.00	100	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6C57612 A6C57612MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD SM4110C - SULFATE	MG/L	30.50	57.03	25.00	106	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Chronology and QC Summary Package

Client ID Job No Lab ID Sample Date		Method Blank A06-B789 A6B2793802		Method Blank A06-C536 A6B2890702					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Cadmium - Total	MG/L	ND	0.0010	ND	0.0010	NA		NA	
Chromium - Total	MG/L	ND	0.0040	ND	0.0040	NA		NA	
Iron - Total	MG/L	ND	0.050	ND	0.050	NA		NA	
Lead - Total	MG/L	ND	0.0050	ND	0.0050	NA		NA	
Magnesium - Total	MG/L	ND	0.20	ND	0.20	NA		NA	
Manganese - Total	MG/L	ND	0.0030	ND	0.0030	NA		NA	
Selenium - Total	MG/L	ND	0.015	ND	0.015	NA		NA	
Sodium - Total	MG/L	ND	1.0	ND	1.0	NA		NA	
Thallium - Total	MG/L	ND	0.020	ND	0.020	NA		NA	
Zinc - Total	MG/L	ND	0.010	ND	0.010	NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No / Lab ID		A06-B789	A6B2797202	A06-B789	A6B2798302	A06-B789	A6B2800202	A06-B789	A6B2813502
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Ammonia	MG/L-N	ND	9.2	NA		NA		NA	
Sulfate	MG/L	NA		ND	2.0	NA		NA	
Hexavalent Chromium - Total	UG/L	NA		NA		ND	11.0	NA	
Total Recoverable Phenolics	UG/L	NA		NA		NA		ND	8.0

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No / Lab ID		A06-B789	A6B2814902	A06-B789	A6B2827702	A06-B789	A6B2851802	A06-C536	A6B2883102
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Recoverable Phenolics	UG/L	ND	8.0	ND	8.0	NA		NA	
Sulfate	MG/L	NA		NA		ND	2.0	NA	
Hexavalent Chromium - Total	UG/L	NA		NA		NA		ND	11.0

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No / Lab ID		A06-C536	A6B2888402	A06-C536	A6B2888502	A06-C536	A6B2907602	A06-C536	A6B2923802
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Ammonia	MG/L-N	ND	9.2	NA		NA		NA	
Total Recoverable Phenolics	UG/L	NA		ND	8.0	ND	8.0	NA	
Sulfate	MG/L	NA		NA		NA		ND	2.0

NA = Not Applicable ND = Not Detected

SDG: 4Q06GW
Client Sample ID: Method Blank LFB
Lab Sample ID: A6B2793802 A6B2793801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
8 BASELINE METALS					
200.7 TOTAL CADMIUM - W	MG/L	0.195	0.200	98	85-115
200.7 TOTAL CHROMIUM - W	MG/L	0.198	0.200	99	85-115
200.7 TOTAL IRON	MG/L	9.69	10.0	97	85-115
200.7 TOTAL LEAD - W	MG/L	0.194	0.200	97	85-115
TOTAL MAGNESIUM	MG/L	9.62	10.0	96	85-115
TOTAL MANGANESE	MG/L	0.195	0.200	98	85-115
TOTAL SELENIUM	MG/L	0.194	0.200	97	85-115
TOTAL SODIUM	MG/L	9.49	10.0	95	85-115
TOTAL THALLIUM	MG/L	0.192	0.200	96	85-115
TOTAL ZINC	MG/L	0.198	0.200	98	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4Q06GW
Client Sample ID: Method Blank LFB
Lab Sample ID: A6B2890702 A6B2890701

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
8 BASELINE METALS					
200.7 TOTAL CADMIUM - W	MG/L	0.206	0.200	103	85-115
200.7 TOTAL CHROMIUM - W	MG/L	0.209	0.200	105	85-115
200.7 TOTAL IRON	MG/L	10.24	10.0	102	85-115
200.7 TOTAL LEAD - W	MG/L	0.206	0.200	103	85-115
TOTAL MAGNESIUM	MG/L	9.98	10.0	100	85-115
TOTAL MANGANESE	MG/L	0.206	0.200	103	85-115
TOTAL SELENIUM	MG/L	0.207	0.200	103	85-115
TOTAL SODIUM	MG/L	10.74	10.0	107	85-115
TOTAL THALLIUM	MG/L	0.212	0.200	106	85-115
TOTAL ZINC	MG/L	0.207	0.200	102	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4Q06GW
Client Sample ID: AP-MW-1B AP-MW-1B
Lab Sample ID: A6B78902 A6B78902MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	0	50.80	50.00	102	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4Q06GW
Client Sample ID: AP-MW-6B AP-MW-6B
Lab Sample ID: A6B78907 A6B78907MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE BY IC	MG/L	67.39	92.99	25.00	102	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4QO6GW
Client Sample ID: AP-MW-8B AP-MW-8B
Lab Sample ID: A6B78909 A6B78909MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	2.00	105.0	100.0	103	60-143

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4QO6GW
Client Sample ID: AP-SWB-01 AP-SWB-01
Lab Sample ID: A6B78911 A6B78911MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	0	55.40	50.00	111	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4Q06GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2797202 A6B2797201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.752	0.750	100	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4Q06GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2798302 A6B2798301

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE BY IC	MG/L	20.81	20.00	103	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4Q06GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2800202 A6B2800201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	50.00	50.00	100	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4Q06GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2813502 A6B2813501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	558.0	611.0	90	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4Q06GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2814902 A6B2814901

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	603.0	611.0	99	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4QO6GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2827702 A6B2827701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	564.0	611.0	92	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4Q06GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2851802 A6B2851801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE BY IC	MG/L	21.27	20.00	104	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4QO6GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2883102 A6B2883101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	50.00	50.00	100	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4Q06GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2888402 A6B2888401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.743	0.750	99	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4QO6GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2888502 A6B2888501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	592.0	611.0	97	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4QO6GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2907602 A6B2907601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	516.0	611.0	84	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 4Q06GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2923802 A6B2923801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE BY IC	MG/L	10.15	10.0	102	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B78901	AP-DUP-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/10/06 13:10	10/10 16:35	NA		10/12 02:44	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/10/06 13:10	10/10 16:35	NA		10/12 02:44	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/10/06 13:10	10/10 16:35	NA		10/12 02:44	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/10/06 13:10	10/10 16:35	NA		10/12 02:44	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	10/10/06 13:10	10/10 16:35	NA		10/16 15:09	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/10/06 13:10	10/10 16:35	NA		10/12 02:44	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/10/06 13:10	10/10 16:35	NA		10/12 02:44	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/10/06 13:10	10/10 16:35	NA		10/12 02:44	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/10/06 13:10	10/10 16:35	NA		10/12 02:44	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/10/06 13:10	10/10 16:35	NA		10/12 02:44	AK	Y	WATER
A6B79101	AP-DUP-01	RECNY	Silicon - Total	6010	5.0			10/10/06 13:10	10/10 16:35	NA		10/17	SUB	Y	WATER
A6B78902	AP-MW-1B	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/10/06 09:00	10/10 16:35	NA		10/12 02:49	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/10/06 09:00	10/10 16:35	NA		10/12 02:49	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/10/06 09:00	10/10 16:35	NA		10/12 02:49	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/10/06 09:00	10/10 16:35	NA		10/12 02:49	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	10/10/06 09:00	10/10 16:35	NA		10/16 15:14	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/10/06 09:00	10/10 16:35	NA		10/12 02:49	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/10/06 09:00	10/10 16:35	NA		10/12 02:49	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/10/06 09:00	10/10 16:35	NA		10/12 02:49	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/10/06 09:00	10/10 16:35	NA		10/12 02:49	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/10/06 09:00	10/10 16:35	NA		10/12 02:49	AK	Y	WATER
A6B79102	AP-MW-1B	RECNY	Silicon - Total	6010	5.0			10/10/06 09:00	10/10 16:35	NA		10/17	SUB	Y	WATER
A6B78903	AP-MW-2B	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/10/06 14:25	10/10 16:35	NA		10/12 02:54	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/10/06 14:25	10/10 16:35	NA		10/12 02:54	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/10/06 14:25	10/10 16:35	NA		10/12 02:54	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/10/06 14:25	10/10 16:35	NA		10/12 02:54	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	10/10/06 14:25	10/10 16:35	NA		10/16 16:18	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/10/06 14:25	10/10 16:35	NA		10/12 02:54	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/10/06 14:25	10/10 16:35	NA		10/12 02:54	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/10/06 14:25	10/10 16:35	NA		10/12 02:54	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/10/06 14:25	10/10 16:35	NA		10/12 02:54	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/10/06 14:25	10/10 16:35	NA		10/12 02:54	AK	Y	WATER
A6B79103	AP-MW-2B	RECNY	Silicon - Total	6010	5.0			10/10/06 14:25	10/10 16:35	NA		10/17	SUB	Y	WATER
A6B78904	AP-MW-3B	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/10/06 09:55	10/10 16:35	NA		10/12 02:58	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/10/06 09:55	10/10 16:35	NA		10/12 02:58	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/10/06 09:55	10/10 16:35	NA		10/12 02:58	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/10/06 09:55	10/10 16:35	NA		10/12 02:58	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	10/10/06 09:55	10/10 16:35	NA		10/16 16:23	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/10/06 09:55	10/10 16:35	NA		10/12 02:58	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/10/06 09:55	10/10 16:35	NA		10/12 02:58	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/10/06 09:55	10/10 16:35	NA		10/12 02:58	AK	Y	WA
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/10/06 09:55	10/10 16:35	NA		10/12 02:58	AK	Y	WA
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/10/06 09:55	10/10 16:35	NA		10/12 02:58	AK	Y	WA
A6B79104	AP-MW-3B	RECNY	Silicon - Total	6010	5.0			10/10/06 09:55	10/10 16:35	NA		10/17	SUB	Y	WA
A6B78905	AP-MW-4B	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/10/06 10:10	10/10 16:35	NA		10/12 03:03	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/10/06 10:10	10/10 16:35	NA		10/12 03:03	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/10/06 10:10	10/10 16:35	NA		10/12 03:03	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/10/06 10:10	10/10 16:35	NA		10/12 03:03	AK	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B78905	AP-MW-4B	RECNY	Sodium - Total	200.7	1.0	0.05	L	10/10/06 10:10	10/10 16:35	NA		10/16 16:28	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/10/06 10:10	10/10 16:35	NA		10/12 03:03	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/10/06 10:10	10/10 16:35	NA		10/12 03:03	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/10/06 10:10	10/10 16:35	NA		10/12 03:03	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/10/06 10:10	10/10 16:35	NA		10/12 03:03	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/10/06 10:10	10/10 16:35	NA		10/12 03:03	AK	Y	WATER
A6B79105	AP-MW-4B	RECNY	Silicon - Total	6010	5.0			10/10/06 10:10	10/10 16:35	NA		10/17	SUB	Y	WATER
A6B78906	AP-MW-5B	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/10/06 10:20	10/10 16:35	NA		10/12 03:08	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/10/06 10:20	10/10 16:35	NA		10/12 03:08	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/10/06 10:20	10/10 16:35	NA		10/12 03:08	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/10/06 10:20	10/10 16:35	NA		10/12 03:08	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	10/10/06 10:20	10/10 16:35	NA		10/16 16:33	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/10/06 10:20	10/10 16:35	NA		10/12 03:08	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/10/06 10:20	10/10 16:35	NA		10/12 03:08	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/10/06 10:20	10/10 16:35	NA		10/12 03:08	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/10/06 10:20	10/10 16:35	NA		10/12 03:08	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/10/06 10:20	10/10 16:35	NA		10/12 03:08	AK	Y	WATER
A6B79106	AP-MW-5B	RECNY	Silicon - Total	6010	5.0			10/10/06 10:20	10/10 16:35	NA		10/17	SUB	Y	WATER
A6B78907	AP-MW-6B	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/10/06 11:20	10/10 16:35	NA		10/12 03:24	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/10/06 11:20	10/10 16:35	NA		10/12 03:24	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/10/06 11:20	10/10 16:35	NA		10/12 03:24	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/10/06 11:20	10/10 16:35	NA		10/12 03:24	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	10/10/06 11:20	10/10 16:35	NA		10/16 16:38	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/10/06 11:20	10/10 16:35	NA		10/12 03:24	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/10/06 11:20	10/10 16:35	NA		10/12 03:24	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/10/06 11:20	10/10 16:35	NA		10/12 03:24	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/10/06 11:20	10/10 16:35	NA		10/12 03:24	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/10/06 11:20	10/10 16:35	NA		10/12 03:24	AK	Y	WATER
A6B79107	AP-MW-6B	RECNY	Silicon - Total	6010	5.0			10/10/06 11:20	10/10 16:35	NA		10/17	SUB	Y	WATER
A6B78908	AP-MW-7B	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/10/06 11:45	10/10 16:35	NA		10/12 03:29	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/10/06 11:45	10/10 16:35	NA		10/12 03:29	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/10/06 11:45	10/10 16:35	NA		10/12 03:29	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/10/06 11:45	10/10 16:35	NA		10/12 03:29	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	10/10/06 11:45	10/10 16:35	NA		10/16 16:43	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/10/06 11:45	10/10 16:35	NA		10/12 03:29	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/10/06 11:45	10/10 16:35	NA		10/12 03:29	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/10/06 11:45	10/10 16:35	NA		10/12 03:29	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/10/06 11:45	10/10 16:35	NA		10/12 03:29	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/10/06 11:45	10/10 16:35	NA		10/12 03:29	AK	Y	WATER
A6B79108	AP-MW-7B	RECNY	Silicon - Total	6010	5.0			10/10/06 11:45	10/10 16:35	NA		10/17	SUB	Y	WATER
A6B78909	AP-MW-8B	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/10/06 13:00	10/10 16:35	NA		10/12 03:34	AK	Y	WA
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/10/06 13:00	10/10 16:35	NA		10/12 03:34	AK	Y	WA
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/10/06 13:00	10/10 16:35	NA		10/12 03:34	AK	Y	WA
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/10/06 13:00	10/10 16:35	NA		10/12 03:34	AK	Y	WA
		RECNY	Sodium - Total	200.7	1.0	0.05	L	10/10/06 13:00	10/10 16:35	NA		10/16 16:48	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/10/06 13:00	10/10 16:35	NA		10/12 03:34	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/10/06 13:00	10/10 16:35	NA		10/12 03:34	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/10/06 13:00	10/10 16:35	NA		10/12 03:34	AK	Y	WATER

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NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B78909	AP-MW-8B	RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/10/06 13:00	10/10 16:35	NA		10/12 03:34	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/10/06 13:00	10/10 16:35	NA		10/12 03:34	AK	Y	WATER
A6B79109	AP-MW-8B	RECNY	Silicon - Total	6010	5.0			10/10/06 13:00	10/10 16:35	NA		10/17	SUB	Y	WATER
A6B78910	AP-RB-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/10/06 12:00	10/10 16:35	NA		10/12 03:39	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/10/06 12:00	10/10 16:35	NA		10/12 03:39	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/10/06 12:00	10/10 16:35	NA		10/12 03:39	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/10/06 12:00	10/10 16:35	NA		10/12 03:39	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	10/10/06 12:00	10/10 16:35	NA		10/16 16:53	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/10/06 12:00	10/10 16:35	NA		10/12 03:39	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/10/06 12:00	10/10 16:35	NA		10/12 03:39	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/10/06 12:00	10/10 16:35	NA		10/12 03:39	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/10/06 12:00	10/10 16:35	NA		10/12 03:39	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/10/06 12:00	10/10 16:35	NA		10/12 03:39	AK	Y	WATER
A6B79110	AP-RB-01	RECNY	Silicon - Total	6010	5.0			10/10/06 12:00	10/10 16:35	NA		10/17	SUB	Y	WATER
A6C53601	AP-SS-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/25/06 15:15	10/25 17:16	NA		10/28 02:18	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/25/06 15:15	10/25 17:16	NA		10/28 02:18	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/25/06 15:15	10/25 17:16	NA		10/28 02:18	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/25/06 15:15	10/25 17:16	NA		10/28 02:18	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	10/25/06 15:15	10/25 17:16	NA		10/28 02:18	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/25/06 15:15	10/25 17:16	NA		10/28 02:18	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/25/06 15:15	10/25 17:16	NA		10/28 02:18	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/25/06 15:15	10/25 17:16	NA		10/28 02:18	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/25/06 15:15	10/25 17:16	NA		10/28 02:18	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/25/06 15:15	10/25 17:16	NA		10/28 02:18	AK	Y	WATER
A6C53801	AP-SS-01	RECNY	Silicon - Total	6010	5.0			10/25/06 15:15	10/25 17:16	NA		11/01	SUB	Y	WATER
A6C53602	AP-SS-02	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/25/06 15:20	10/25 17:16	NA		10/28 02:23	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/25/06 15:20	10/25 17:16	NA		10/28 02:23	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/25/06 15:20	10/25 17:16	NA		10/28 02:23	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/25/06 15:20	10/25 17:16	NA		10/28 02:23	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	10/25/06 15:20	10/25 17:16	NA		10/28 02:23	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/25/06 15:20	10/25 17:16	NA		10/28 02:23	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/25/06 15:20	10/25 17:16	NA		10/28 02:23	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/25/06 15:20	10/25 17:16	NA		10/28 02:23	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/25/06 15:20	10/25 17:16	NA		10/28 02:23	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/25/06 15:20	10/25 17:16	NA		10/28 02:23	AK	Y	WATER
A6C53802	AP-SS-02	RECNY	Silicon - Total	6010	5.0			10/25/06 15:20	10/25 17:16	NA		11/01	SUB	Y	WATER
A6B78911	AP-SWB-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	10/10/06 11:55	10/10 16:35	NA		10/12 03:44	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	10/10/06 11:55	10/10 16:35	NA		10/12 03:44	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	10/10/06 11:55	10/10 16:35	NA		10/12 03:44	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	10/10/06 11:55	10/10 16:35	NA		10/12 03:44	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	10/10/06 11:55	10/10 16:35	NA		10/16 16:58	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	10/10/06 11:55	10/10 16:35	NA		10/12 03:44	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	10/10/06 11:55	10/10 16:35	NA		10/12 03:44	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	10/10/06 11:55	10/10 16:35	NA		10/12 03:44	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	10/10/06 11:55	10/10 16:35	NA		10/12 03:44	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	10/10/06 11:55	10/10 16:35	NA		10/12 03:44	AK	Y	WATER
A6B79111	AP-SWB-01	RECNY	Silicon - Total	6010	5.0			10/10/06 11:55	10/10 16:35	NA		10/17	SUB	Y	WATER

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DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
QC CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B2793802	Method Blank	RECNY	Selenium - Total	200.7	1.0	0.05 L	-	-	NA		10/12 01:39	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05 L	-	-	NA		10/12 01:39	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05 L	-	-	NA		10/12 01:39	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05 L	-	-	NA		10/12 01:39	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05 L	-	-	NA		10/16 14:59	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05 L	-	-	NA		10/12 01:39	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05 L	-	-	NA		10/12 01:39	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05 L	-	-	NA		10/12 01:39	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05 L	-	-	NA		10/12 01:39	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05 L	-	-	NA		10/12 01:39	AK	Y	WATER
A6B2890702	Method Blank	RECNY	Selenium - Total	200.7	1.0	0.05 L	-	-	NA		10/28 01:08	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05 L	-	-	NA		10/28 01:08	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05 L	-	-	NA		10/28 01:08	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05 L	-	-	NA		10/28 01:08	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05 L	-	-	NA		10/28 01:08	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05 L	-	-	NA		10/28 01:08	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05 L	-	-	NA		10/28 01:08	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05 L	-	-	NA		10/28 01:08	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05 L	-	-	NA		10/28 01:08	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05 L	-	-	NA		10/28 01:08	AK	Y	WATER

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TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B78901	AP-DUP-01	RECNY	Sulfate	300.0	1.0		10/10/06 13:10	10/10 16:35	NA		10/11 12:48	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/10/06 13:10	10/10 16:35	NA		10/11 10:24	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/10/06 13:10	10/10 16:35	NA		10/16 10:47	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/10/06 13:10	10/10 16:35	NA		10/11 08:50	KD	Y	WATER
A6B78902	AP-MW-1B	RECNY	Sulfate	300.0	5.0		10/10/06 09:00	10/10 16:35	NA		10/20 13:46	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/10/06 09:00	10/10 16:35	NA		10/11 10:24	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/10/06 09:00	10/10 16:35	NA		10/16 10:47	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/10/06 09:00	10/10 16:35	NA		10/11 08:50	KD	Y	WATER
A6B78903	AP-MW-2B	RECNY	Sulfate	300.0	1.0		10/10/06 14:25	10/10 16:35	NA		10/11 12:48	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/10/06 14:25	10/10 16:35	NA		10/11 10:24	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/10/06 14:25	10/10 16:35	NA		10/19 08:42	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	2.0		10/10/06 14:25	10/10 16:35	NA		10/11 08:50	KD	Y	WATER
A6B78904	AP-MW-3B	RECNY	Sulfate	300.0	2.0		10/10/06 09:55	10/10 16:35	NA		10/11 12:48	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/10/06 09:55	10/10 16:35	NA		10/11 10:24	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/10/06 09:55	10/10 16:35	NA		10/16 10:47	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/10/06 09:55	10/10 16:35	NA		10/11 08:50	KD	Y	WATER
A6B78905	AP-MW-4B	RECNY	Sulfate	300.0	2.0		10/10/06 10:10	10/10 16:35	NA		10/11 12:48	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/10/06 10:10	10/10 16:35	NA		10/11 10:24	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/10/06 10:10	10/10 16:35	NA		10/16 10:47	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/10/06 10:10	10/10 16:35	NA		10/11 08:50	KD	Y	WATER
A6B78906	AP-MW-5B	RECNY	Sulfate	300.0	2.0		10/10/06 10:20	10/10 16:35	NA		10/11 12:48	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/10/06 10:20	10/10 16:35	NA		10/11 10:24	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/10/06 10:20	10/10 16:35	NA		10/16 10:47	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/10/06 10:20	10/10 16:35	NA		10/11 08:50	KD	Y	WATER
A6B78907	AP-MW-6B	RECNY	Sulfate	300.0	5.0		10/10/06 11:20	10/10 16:35	NA		10/11 12:48	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/10/06 11:20	10/10 16:35	NA		10/11 10:24	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/10/06 11:20	10/10 16:35	NA		10/16 10:47	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/10/06 11:20	10/10 16:35	NA		10/11 08:50	KD	Y	WATER
A6B78908	AP-MW-7B	RECNY	Sulfate	300.0	1.0		10/10/06 11:45	10/10 16:35	NA		10/11 12:48	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/10/06 11:45	10/10 16:35	NA		10/11 10:24	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/10/06 11:45	10/10 16:35	NA		10/16 10:47	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/10/06 11:45	10/10 16:35	NA		10/11 08:50	KD	Y	WATER
A6B78909	AP-MW-8B	RECNY	Sulfate	300.0	5.0		10/10/06 13:00	10/10 16:35	NA		10/20 13:46	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/10/06 13:00	10/10 16:35	NA		10/11 10:24	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/10/06 13:00	10/10 16:35	NA		10/16 10:47	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/10/06 13:00	10/10 16:35	NA		10/11 08:50	KD	Y	WATER
A6B78910	AP-RB-01	RECNY	Sulfate	300.0	1.0		10/10/06 12:00	10/10 16:35	NA		10/11 12:48	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/10/06 12:00	10/10 16:35	NA		10/11 10:24	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/10/06 12:00	10/10 16:35	NA		10/16 10:47	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/10/06 12:00	10/10 16:35	NA		10/11 08:50	KD	Y	WATER
A6C53601	AP-SS-01	RECNY	Sulfate	300.0	1.0		10/25/06 15:15	10/25 17:16	NA		11/01 13:53	SS	Y	WA
		RECNY	Ammonia	350.1	1.0		10/25/06 15:15	10/25 17:16	NA		10/26 09:30	ERK	Y	WA
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/25/06 15:15	10/25 17:16	NA		10/31 08:08	LRM	Y	WA
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/25/06 15:15	10/25 17:16	NA		10/25 20:15	SM	Y	WA
A6C53602	AP-SS-02	RECNY	Sulfate	300.0	1.0		10/25/06 15:20	10/25 17:16	NA		11/01 13:53	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/25/06 15:20	10/25 17:16	NA		10/26 09:30	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/25/06 15:20	10/25 17:16	NA		10/26 18:59	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/25/06 15:20	10/25 17:16	NA		10/25 20:15	SM	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B78911	AP-SWB-01	RECNY	Sulfate	300.0	1.0		10/10/06 11:55	10/10 16:35	NA		10/11 12:48	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/10/06 11:55	10/10 16:35	NA		10/11 10:24	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/10/06 11:55	10/10 16:35	NA		10/19 09:37	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/10/06 11:55	10/10 16:35	NA		10/11 08:50	KD	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
QC CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B279720Z	Method Blank	RECNY	Ammonia	350.1	1.0			-	-	NA		10/11 10:24	ERK	Y	WATER
A6B279830Z	Method Blank	RECNY	Sulfate	300.0	1.0			-	-	NA		10/11 12:48	SS	Y	WATER
A6B280020Z	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	-	-	NA		10/11 08:50	KD	Y	WATER
A6B281350Z	Method Blank	RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		10/16 10:47	LRM	Y	WATER
A6B281490Z	Method Blank	RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		10/19 09:37	LRM	Y	WATER
A6B282770Z	Method Blank	RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		10/19 08:42	LRM	Y	WATER
A6B285180Z	Method Blank	RECNY	Sulfate	300.0	1.0			-	-	NA		10/20 13:46	SS	Y	WATER
A6B288310Z	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	-	-	NA		10/25 20:15	SM	Y	WATER
A6B288840Z	Method Blank	RECNY	Ammonia	350.1	1.0			-	-	NA		10/26 09:30	ERK	Y	WATER
A6B288850Z	Method Blank	RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		10/26 18:59	RLG	Y	WATER
A6B290760Z	Method Blank	RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		10/31 08:08	LRM	Y	WATER
A6B292380Z	Method Blank	RECNY	Sulfate	300.0	1.0			-	-	NA		11/01 13:53	SS	Y	WATER

97/141

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Appendix A

SEVERN TRENT STL

ANALYTICAL REPORT

JOB NUMBER: 213925 REVISION

Prepared For:

SEVERN TRENT LABORATORIES-BUFFALO
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Project:

Attention: Jason Kacalski

Date: 10/23/2006

Signature

Name: Loomis J. D'Amico

Title: Project Manager

E-Mail: ldamico@stl-inc.com

NOVEMBER 3, 2006
Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (25) Pages

SEVERN TRENT STL

STL Report : 213925
STL BUFFALO

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

Metals – ICAP metals were determined using a JA61E trace ICAP following guidance provided in SW846 according to methods 3010A/6010B.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 10/23/2006

Job Number.: 213925
Customer...: SEVERN TRENT LABORATORIES-BUFFALO
Attn.....: Jason Kacalski

Project Number.....: 20001630
Customer Project ID....:
Project Description....:

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
213925-1	AP-DUP-01	Water	10/10/2006	13:10	10/11/2006	09:40
213925-2	AP-MW-1B	Water	10/10/2006	09:00	10/11/2006	09:40
213925-3	AP-MW-2B	Water	10/10/2006	14:25	10/11/2006	09:40
213925-4	AP-MW-3B	Water	10/10/2006	09:55	10/11/2006	09:40
213925-5	AP-MW-4B	Water	10/10/2006	10:10	10/11/2006	09:40
213925-6	AP-MW-5B	Water	10/10/2006	10:20	10/11/2006	09:40
213925-7	AP-MW-6B	Water	10/10/2006	11:20	10/11/2006	09:40
213925-8	AP-MW-7B	Water	10/10/2006	11:45	10/11/2006	09:40
213925-9	AP-MW-8B	Water	10/10/2006	13:00	10/11/2006	09:40
213925-10	AP-RB-01	Water	10/10/2006	12:00	10/11/2006	09:40
213925-11	AP-SWB-01	Water	10/10/2006	11:55	10/11/2006	09:40

Job Number: 213925

LABORATORY TEST RESULTS

Date: 10/20/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT:

ATTN: Jason Kacalski

Customer Sample ID: AP-DUP-01
Date Sampled.....: 10/10/2006
Time Sampled.....: 13:10
Sample Matrix.....: Water

Laboratory Sample ID: 213925-1
Date Received.....: 10/11/2006
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace) Silicon	544	B		500	2500	5	ug/L	72951		10/17/06 1612	nnp

* In Description = Dry Wgt.

Job Number: 213925

LABORATORY TEST RESULTS

Date:10/20/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT:

ATTN: Jason Kacalski

Customer Sample ID: AP-MW-1B
Date Sampled.....: 10/10/2006
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 213925-2
Date Received.....: 10/11/2006
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace) Silicon	7510			500	2500	5	ug/L	72951		10/17/06 1618	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213925

Date:10/20/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT:

ATTN: Jason Kacalski

Customer Sample ID: AP-MW-2B
Date Sampled.....: 10/10/2006
Time Sampled.....: 14:25
Sample Matrix.....: Water

Laboratory Sample ID: 213925-3
Date Received.....: 10/11/2006
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace) Silicon	522	B		500	2500	5	ug/L	72951		10/17/06 1624	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213925

Date:10/20/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT:

ATTN: Jason Kacalski

Customer Sample ID: AP-MW-3B
Date Sampled.....: 10/10/2006
Time Sampled.....: 09:55
Sample Matrix.....: Water

Laboratory Sample ID: 213925-4
Date Received.....: 10/11/2006
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace) Silicon	8960			500	2500	5	ug/L	72951		10/17/06 1631	nnp

* In Description = Dry Wgt.

STL CONNECTICUT

Job Number: 213925

LABORATORY TEST RESULTS

Date:10/20/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT:

ATTN: Jason Kacalski

Customer Sample ID: AP-MW-4B
Date Sampled.....: 10/10/2006
Time Sampled.....: 10:10
Sample Matrix.....: Water

Laboratory Sample ID: 213925-5
Date Received.....: 10/11/2006
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace) Silicon	7730			500	2500	5	ug/L	72951		10/17/06 1649	nnp

* In Description = Dry Wgt.

Job Number: 213925

LABORATORY TEST RESULTS

Date:10/20/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT:

ATTN: Jason Kacalski

Customer Sample ID: AP-MW-5B
Date Sampled.....: 10/10/2006
Time Sampled.....: 10:20
Sample Matrix.....: Water

Laboratory Sample ID: 213925-6
Date Received.....: 10/11/2006
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace) Silicon	9650			500	2500	5	ug/L	72951		10/17/06 1655	nnp

* In Description = Dry Wgt.

STL CONNECTICUT

LABORATORY TEST RESULTS

Job Number: 213925

Date:10/20/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT:

ATTN: Jason Kacalski

Customer Sample ID: AP-MW-6B
Date Sampled.....: 10/10/2006
Time Sampled.....: 11:20
Sample Matrix.....: Water

Laboratory Sample ID: 213925-7
Date Received.....: 10/11/2006
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace) Silicon	7000			500	2500	5	ug/L	72951		10/17/06 1701	nnp

* In Description = Dry Wgt.

Job Number: 213925

LABORATORY TEST RESULTS

Date:10/20/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: ATTN: Jason Kacalski

Customer Sample ID: AP-MW-7B
Date Sampled.....: 10/10/2006
Time Sampled.....: 11:45
Sample Matrix.....: Water

Laboratory Sample ID: 213925-8
Date Received.....: 10/11/2006
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace) Silicon	9220			500	2500	5	ug/L	72951		10/17/06 1708	nnp

* In Description = Dry Wgt.

Job Number: 213925

LABORATORY TEST RESULTS

Date:11/03/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT:

ATTN: Jason Kacalski

Customer Sample ID: AP-MW-8B
Date Sampled.....: 10/10/2006
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 213925-9
Date Received.....: 10/11/2006
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace) Silicon	8260			500	2500	5	ug/L	72951		10/17/06 1719	nnp

* In Description = Dry Wgt.

Job Number: 213925

LABORATORY TEST RESULTS

Date:11/03/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT:

ATTN: Jason Kacalski

Customer Sample ID: AP-RB-01
Date Sampled.....: 10/10/2006
Time Sampled.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID: 213925-10
Date Received.....: 10/11/2006
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
60108	Metals Analysis (ICAP Trace) Silicon	4930			500	2500	5	ug/L	72951		10/17/06 1725	nnp

* In Description = Dry Wgt.

Job Number: 213925

LABORATORY TEST RESULTS

Date:11/03/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT:

ATTN: Jason Kacalski

Customer Sample ID: AP-SWB-01
Date Sampled.....: 10/10/2006
Time Sampled.....: 11:55
Sample Matrix.....: Water

Laboratory Sample ID: 213925-11
Date Received.....: 10/11/2006
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace) Silicon	4910			500	2500	5	ug/L	72951		10/17/06 1732	nnp

* In Description = Dry Wgt.

SEVERN TRENT STL

LABORATORY CHRONICLE

Job Number: 213925 Date: 10/23/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: ATTN: Jason Kacalski

Lab ID: 213925-1 Client ID: AP-DUP-01 Date Recvd: 10/11/2006 Sample Date: 10/10/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	72750		10/12/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	72951	72750	10/17/2006 1612	5

Lab ID: 213925-2 Client ID: AP-MW-1B Date Recvd: 10/11/2006 Sample Date: 10/10/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	72750		10/12/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	72951	72750	10/17/2006 1618	5

Lab ID: 213925-3 Client ID: AP-MW-2B Date Recvd: 10/11/2006 Sample Date: 10/10/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	72750		10/12/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	72951	72750	10/17/2006 1624	5

Lab ID: 213925-4 Client ID: AP-MW-3B Date Recvd: 10/11/2006 Sample Date: 10/10/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	72750		10/12/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	72951	72750	10/17/2006 1631	5

Lab ID: 213925-5 Client ID: AP-MW-4B Date Recvd: 10/11/2006 Sample Date: 10/10/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	72750		10/12/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	72951	72750	10/17/2006 1649	5

Lab ID: 213925-6 Client ID: AP-MW-5B Date Recvd: 10/11/2006 Sample Date: 10/10/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	72750		10/12/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	72951	72750	10/17/2006 1655	5

Lab ID: 213925-7 Client ID: AP-MW-6B Date Recvd: 10/11/2006 Sample Date: 10/10/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	72750		10/12/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	72951	72750	10/17/2006 1701	5

Lab ID: 213925-8 Client ID: AP-MW-7B Date Recvd: 10/11/2006 Sample Date: 10/10/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	72750		10/12/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	72951	72750	10/17/2006 1708	5

Lab ID: 213925-9 Client ID: AP-MW-8B Date Recvd: 10/11/2006 Sample Date: 10/10/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	72750		10/12/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	72951	72750	10/17/2006 1719	5

Lab ID: 213925-10 Client ID: AP-RB-01 Date Recvd: 10/11/2006 Sample Date: 10/10/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	72750		10/12/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	72951	72750	10/17/2006 1725	5

Lab ID: 213925-11 Client ID: AP-SWB-01 Date Recvd: 10/11/2006 Sample Date: 10/10/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	72750		10/12/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	72951	72750	10/17/2006 1732	5

QUALITY CONTROL RESULTS

Job Number.: 213925 Report Date.: 10/20/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: ATTN: Jason Kacalski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		72831 -001		10/17/2006	1738

Test Method.....: 6010B Equipment Code....: ICAP2 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 72951

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Silicon	ug/L	100.0	U						

QUALITY CONTROL RESULTS

Job Number.: 213925

Report Date.: 10/20/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT:

ATTN: Jason Kacalski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		213950-1		10/17/2006	1809

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP2
Batch.....: 72951

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Silicon, Total	ug/L	6739.26			6952.90	3.1		20.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

REPORT COMMENTS

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2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.

3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the reporting limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

'	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed th upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the reporting limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

'	MB,EB, MLE: Batch QC is greater than reporting limit.
*	LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
A	Concentration exceeds the instrument calibration range or below the reporting limit.
B	Compound was found in the blank.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS
REFERENCES AND NOTES

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of May 2006)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/06	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/07	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/06	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/06	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/06	CT410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste **NELAC**	04/01/07	10602
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/06	A43
Utah	Department of Health	RCRA	05/31/07	2032614458

STL CONNECTICUT

Client: Greenstar Environmental Solutions, LLC
Project: NY5A9582
Quote: NY05-605
SM #: 678

PM: Jason R. Kacalski
Due Date: 10/20/2006
Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
AP-DUP-01	A6B79101	WATER	T SI	1-8ozP	10/10/2006 13:10
AP-MW-1B	A6B79102	WATER	T SI	1-8ozP	10/10/2006 09:00
AP-MW-2B	A6B79103	WATER	T SI	1-8ozP	10/10/2006 14:25
AP-MW-3B	A6B79104	WATER	T SI	1-8ozP	10/10/2006 09:55
AP-MW-4B	A6B79105	WATER	T SI	1-8ozP	10/10/2006 10:10
AP-MW-5B	A6B79106	WATER	T SI	1-8ozP	10/10/2006 10:20
AP-MW-6B	A6B79107	WATER	T SI	1-8ozP	10/10/2006 11:20
AP-MW-7B	A6B79108	WATER	T SI	1-8ozP	10/10/2006 11:45
AP-MW-8B	A6B79109	WATER	T SI	1-8ozP	10/10/2006 13:00
AP-RB-01	A6B79110	WATER	T SI	1-8ozP	10/10/2006 12:00
AP-SWB-01	A6B79111	WATER	T SI	1-8ozP	10/10/2006 11:55

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - CT (Shelton): Signature(s)	Date	Time
(1)	10/10/2006	18:00	(3)	/ /20	
(2)	/ /20		(4)	10/11/2006	8:40

4.6°C

"PASSED RAD SCREEN"

213925 10/23/2006

SEVERN TRENT LABORATORIES-BUFFALO
JASON KACALSKI

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 213925 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 10/11/2006
Project Number.: 20001630 Project Description.: Project Manager.....: eag
Customer.....: SEVERN TRENT LABORATORIES-BUFFALO Contact.: Jason Kacalski

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	4.6c
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
A Sample Discrepancy Report (SDR) was needed?		
Comments		
If samples were shipped was there an air bill #?.	Y	fed ex 6924 5433 0102
Sample Custodian Signature/Date	Y	

Page 1

STL CONNECTICUT

STL/CT PRESERVATIVE RECORD

213925 10/23/2006

SEVERN TRENT LABORATORIES-BUFFALO
JASON KACALSKI

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
213925 -01	HNO_3	<2	N/A	N/A	N/A	TD	10/11/06
-02	HNO_3	<2					
-03	HNO_3	<2					
-04	HNO_3	<2					
-05	HNO_3	<2					
-06	HNO_3	<2					
-07	HNO_3	<2					
-08	HNO_3	<2					
-09	HNO_3	<2					
-10	HNO_3	<2					
213925 -11	HNO_3	<2	N/A	N/A	N/A	TD	10/11/06

10/11/06

STL Form# SMF00203.CT

213925 10/23/2006

SEVERN TRENT LABORATORIES-BUFFALO
JASON KACALSKI

STL CONNECTICUT

STL - Connecticut
Internal Chain-of-Custody

Trip Blank: —

QC: — Air: —

FB: —

Soil: ✓ Water: #1-11

Date Received: 10/11/06

Sample #s: 1-11

Locations: 93A

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time

STL Fo 3MF00507.CT

Page 24

124/141

SEVERN TRENT STL

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number: 213525 **Sample Numbers:** 1 - 11

WATER - **SOIL - SLUDGE - TCLP/SPLP**

I confirm that I have performed the preparation below following SOP guidelines and authorize the release of the preparation:

Sample Prep:

[signature]	10/12/06	**ICP**
		Mercury
Chemist	Date(s)	

I confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Analysis:

[signature]	10/17/06	**ICP**
		Mercury
Chemist	Date(s)	

I have reviewed and authorized the release of the job:

Complete: [signature] 10/20/06

Supervisor Date

QAF02600.CT

SEVERN TRENT STL

ANALYTICAL REPORT

JOB NUMBER: 214039

Prepared For:

SEVERN TRENT LABORATORIES-BUFFALO
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Project: NY5A9582

Attention: Jason Kacalski

Date: 11/09/2006

Signature

Name: Loomis J. D'Amico

Title: Project Manager

E-Mail: ldamico@stl-inc.com

November 9, 2006
Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (15) Pages

SEVERN TRENT STL

STL Report : 214039
STL BUFFALO

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

Metals – ICAP metals were determined using a TJA61E trace ICAP following guidance provided in SW846 according to methods 3010A/6010B.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 11/09/2006

Job Number.: 214039
Customer...: SEVERN TRENT LABORATORIES-BUFFALO
Attn.....: Jason Kacalski

Project Number.....: 20001630
Customer Project ID....: NY5A9582
Project Description....:

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
214039-1	AP-SS-01	Water	10/25/2006	15:15	10/26/2006	09:25
214039-2	AP-SS-02	Water	10/25/2006	15:20	10/26/2006	09:25

Job Number: 214039

LABORATORY TEST RESULTS

Date:11/08/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: NY5A9582 ATTN: Jason Kacalski

Customer Sample ID: AP-SS-01
Date Sampled.....: 10/25/2006
Time Sampled.....: 15:15
Sample Matrix.....: Water

Laboratory Sample ID: 214039-1
Date Received.....: 10/26/2006
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace) Silicon	2250	B		500	2500	5	ug/L	73624		11/01/06 1713	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 214039

Date:11/13/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO | PROJECT: NY5A9582 | ATTN: Jason Kacalski

Customer Sample ID: AP-SS-02
Date Sampled.....: 10/25/2006
Time Sampled.....: 15:20
Sample Matrix.....: Water

Laboratory Sample ID: 214039-2
Date Received.....: 10/26/2006
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace) Silicon	2610			500	2500	5	ug/L	73624		11/01/06 1718	nnp

* In Description = Dry Wgt.

SEVERN TRENT STL

LABORATORY CHRONICLE

Job Number: 214039 Date: 11/09/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: NY5A9582 ATTN: Jason Kacalski

Lab ID: 214039-1 Client ID: AP-SS-01 Date Recvd: 10/26/2006 Sample Date: 10/25/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	73384			
6010B	Metals Analysis (ICAP Trace)	1	73624	73384	11/01/2006 1713	5

Lab ID: 214039-2 Client ID: AP-SS-02 Date Recvd: 10/26/2006 Sample Date: 10/25/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	73384			
6010B	Metals Analysis (ICAP Trace)	1	73624	73384	11/01/2006 1718	5

QUALITY CONTROL RESULTS

Job Number.: 214039 Report Date.: 11/08/2006

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: NY5A958Z ATTN: Jason Kacalski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		73383 -001		11/01/2006	1704

Test Method.....: 6010B Equipment Code....: ICAP2 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 73624

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Silicon	ug/L	100.0	U							

Page 16 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY ASSURANCE METHODS

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Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/06	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/06	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/06	CT410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste **NELAC**	04/01/07	10602
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/06	A43
Utah	Department of Health	RCRA	05/31/07	2032614458

STL Buffalo
Internal Chain of Custody

Client: Greenstar Environmental Solutions, LLC
Project: NY5A9582
Quote: NY05-605
SM #: 731

PM: Jason R. Kacalski
Due Date: 11/10/2006
Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
AP-SS-01	A6C53801	WATER	T SI	1-8ozP	10/25/2006 15:15
AP-SS-02	A6C53802	WATER	T SI	1-8ozP	10/25/2006 15:20

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - CT (Shelton): Signature(s)	Date	Time
(1)	10/27/20	1731	(3)	/ /20	
(2)	/ /20		(4)	10/26/2006	0925

PASSED RAD SCREEN*

1.0 mR/hr

214039 11/07/2006
SEVERN TRENT LABORATORIES-BUFFALO
JASON KACALSKI

SEVERN TRENT STL	STL Work Sharing Agreement		STL Exporting Lab	Buffalo
			Project Name	Airo Niagagra Falls
Import Lab Information		**Export Lab Information**		
STL Lab Name	Connecticut		PM Contact Name	Jason Kacalski
PM Contact Name	Erin Gaus		Backup Contact Name	Dan Gonzalez
Backup Contact Name			Agreement Date	10/1/2006
Pricing Information		**Project Information**		
QA/QC (i.e. MS/MSD) Billable?	No		Client Company Name	Greenstar
Raw Data Surcharge	%		*Date First Samples to Arrive*	10/11/2006
EDD Surcharge	%		Est. Duration of Sampling Event	One Shipment
TAT Surcharges	%			
Penalty Terms	None			
Other Charges Not in Unit Price? (i.e. canisters, regulators, shipping, bottles)	None		Quote or Contract Reference ID	

Project Details	
Non-Standard Work Product	No
Quality Assurance Plan	No
Certifications	NA
Analyte/Cmpd. List with RLs Attached	No
Results Dry-Weight Corrected	
Special Method Holding Times	None
Internal Chain of Custody Required	No
Known Hazards/High Analyte Level	No
Saturday/Special Delivery Options	None
Special Instructions	None
Reporting Limit Convention	Report to RL with no "J" Values

Deliverable Requirements		Transmittal medium	Format Column	TAT
Preliminary Report:	Yes	Email	Sample Results plus standard QC	14cd
Final Report:	Yes	Email	C	14cd
EDD:	No		See Attached	
mySTL:	No	NA	NA	
Custom Forms:	No	NA	See Attached	

Import and Export Lab Agreement

Import lab must acknowledge receipt of Agreement and samples *via E-Mail*

Analysis	Method	Matrix	# of Samples	Import Lab's Unit Price	Unit Price w/Surcharges	Extended Price
Total Silicon	**SW846 6010**	Water	11	$15.00	$ 15.00	$ 165.00
					$ -	$ -
					$ -	$ -
					$ -	$ -
					$ -	$ -
					$ -	$ -
					$ -	$ -
					$ -	$ -
					$ -	$ -
					$ -	$ -
				Approximate Total Project Value		$ 165.00

Job Sample Receipt Checklist Report V2

Job Number.: 214039 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 10/26/2006
Project Number.: 20001630 Project Description.: Project Manager.....: ljd
Client.....: SEVERN TRENT LABORATORIES-BUFFALO Contact.: Jason Kacalski

Questions ?	(Y/N) Comments	
Chain-of-Custody Present?.....	Y	
If "yes", completed properly?.....	Y	
Custody seal on shipping container?.....	Y	
If "yes", custody seal intact?.....	Y	
Custody seals on sample containers?.....	N	
If "yes", custody seal intact?.....		
Samples iced?.....	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	1.0C
Samples received intact (good condition)?.....	Y	
Volatile samples acceptable? (no headspace).....		
Correct containers used?.....	Y	
Adequate sample volume provided?.....	Y	
Samples preserved correctly?.....	Y	
Samples received within holding-time?.....	Y	
Agreement between COC and sample labels?.....	Y	
Radioactivity at or below background levels?.....	Y	
Sample Discrepancy Report (SDR) was needed?.....	N	
Comments.....		
If samples were shipped was there an air bill #?..	Y	FE 6924 5433 0606
Sample Custodian Signature/Date.....		

K Blum 10/26/06

Page 1

STL CONNECTICUT

STL/CT PRESERVATIVE RECORD

214039 11/07/2006

SEVERN TRENT LABORATORIES-BUFFALO
JASON KACALSKI

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
214039-01	HNO3	<2	N/A	N/A	N/A	KB	10/26/06
214039-02	HNO3	<2	N/A	N/A	N/A	KB	10/26/06

10/26/06

STL Form# SMF00203.CT

STL - Connecticut
Internal Chain-of-Custody

214039

11/07/2006

SEVERN TRENT LABORATORIES-BUFFALO
JASON KACALSKI

Trip Blank: ____

QC: ____ Air: ____

FB: ____

Soil: ____ Water: 1-2

Date Received: 10/26/06

Sample #s: 1-2

Locations: MISC B

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-2	CP	BC	10/[illegible]/06		MTL	BC	CP	10/[illegible]	1200

SEVERN TRENT STL

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number: 814039 **Sample Numbers:** 1-2

(WATER) - SOIL - SLUDGE - TCLP/SPLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the release of the preparation:

Sample Prep:

BC	10-31-16	**ICP**
Chemist	Date(s)	**Mercury**

I confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Analysis:

[signature]	11/8/16	**ICP**
Chemist	Date(s)	**Mercury**

I have reviewed and authorized the release of the job:

Complete: [signature] Supervisor — 11/9/16 Date

QAF02600.CT

Attachment E

Landfill Cap Inspection Checklists
August and October 2006

LANDFILL CAP INSPECTION CHECKLIST
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Personnel:	Chip McLeod - Greenstar Engineering, PC, Eric Bloom - Bloom's Landscaping
Date:	3rd Quarter Inspection (3 August 2006)
Weather:	Sunny, 80 degrees

1. **Inspection of ground surface for exposure of geotextile cover (cap erosion):**
   None noted.

2. **Inspection of ground surface for differential settlement resulting in soil cracking or ponded water:**
   Two locations noted. Ponded water from tire depressions. Top soil will be added in October 2006.

3. **Identification of stressed vegetation:**
   None noted.

4. **Identification of seeps, rooted vegetation (trees), and/or animal burrows:**
   Rooted vegetation noted in the drainage swales at the cap perimeter, and the drainage structures on the western side slope. These will be removed concurrent with the October 2006 site clean-up.

5. **Identification of deteriorating equipment (i.e., monitoring wells, fencing, or drainage structures):**
   Monitoring wells should be sanded, primed and painted.

6. **Inspection of stormwater drainage swales for erosion, sloughing, or flow-through:**
   The swale on top of the collection trench extending the last few hundred feet to the southwest corner is heavily vegetated. This will be removed in October when the cleaning of sediment from the swales in the southwest corner occurs. Otherwise the drainage swales and structures are in good shape.

7. **Inspection of east side of the landfill (Niagara Mohawk Power Corporation parcel) along the intermittent stream for the presence of erosion or sloughing:**
   None noted.

8. **Inspection of access roads:**
   Roads are almost impassible. Will mow and scarify the roads to try to limit the vegetation growth. This will be done in October 2006.

LANDFILL CAP INSPECTION CHECKLIST
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Personnel:	Chip McLeod - Greenstar Engineering, PC
Date:	4th Quarter Inspection (10 October 2006)
Weather:	Rain, 45 Degrees

1. **Inspection of ground surface for exposure of geotextile cover (cap erosion):**
   None noted.
2. **Inspection of ground surface for differential settlement resulting in soil cracking or ponded water:**
   None noted.
3. **Identification of stressed vegetation:**
   None noted. Cap mowing completed the week of 2 October 2006.
4. **Identification of seeps, rooted vegetation (trees), and/or animal burrows:**
   All rooted vegetation previously identified was removed during October 2006. The landfill cap and perimeter of the site was mowed.
5. **Identification of deteriorating equipment (i.e., monitoring wells, fencing, or drainage structures):**
   Monitoring wells should be sanded, primed and painted. This will be done in the Spring of 2007.
6. **Inspection of stormwater drainage swales for erosion, sloughing, or flow-through:**
   The sediment in the SW corner was removed, and the swale reconstructed to route around the pump station. The discharge pipe from the wetland was buried to convey water from the wetland directly to the drainage swale. No other drainage issues were noted.
7. **Inspection of east side of the landfill (Niagara Mohawk Power Corporation parcel) along the intermittent stream for the presence of erosion or sloughing:**
   None noted. Leachate was observed in the swale. No issues identified.
8. **Inspection of access roads:**
   Access road were mowed, and scarified to remove vegetation. Some spots were identified as having less gravel than required. Additional stone will be added in those areas in the Spring 2007.

Attachment F

Laboratory Analytical Results for GCTS Discharge Sampling August and October 2006

ANALYTICAL REPORT

Job#: A06-8930

STL Project#: NY5A9582
Site Name: Airco - Niagara Falls
Task: Airco Parcel, Niagara Falls

Charles E. McLeod, Jr.
Greenstar Engineering, PC
6 Gellatly Drive
Wappinger Falls, NY 12590

STL Buffalo

Jason R. Kacalski
Project Manager

08/17/2006

STL Buffalo
Current Certifications

As of 4/10//2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A6893001	AP-EWE-01	WATER	08/04/2006	08:00	08/04/2006	12:45
A6893002	TRIP BLANK	WATER	08/04/2006		08/04/2006	12:45

METHODS SUMMARY

Job#: A06-8930

STL Project#: NY5A9582
Site Name: Airco - Niagara Falls

PARAMETER	ANALYTICAL METHOD	
METHOD 624 - PRIORITY POLLUTANT VOLATILES	CFR136 624	
Barium - Total	MCAWW 200.7	
Chromium - Total	MCAWW 200.7	
Copper - Total	MCAWW 200.7	
Iron - Total	MCAWW 200.7	
Nickel - Total	MCAWW 200.7	
Selenium - Total	MCAWW 200.8	
Thallium - Total	MCAWW 200.8	
Zinc - Total	MCAWW 200.7	
Ammonia	MCAWW 350.1	*
Biochemical Oxygen Demand	MCAWW 405.1	
Chemical Oxygen Demand	MCAWW 410.4	
Dissolved Oxygen	MCAWW 360.1	
Hexavalent Chromium - Total	SW8463 7196A	
Nitrite	MCAWW 353.2	
Nitrogen, Nitrate	MCAWW 353.2	
pH	SW8463 9040	
Total Dissolved Solids	MCAWW 160.1	
Total Kjeldahl Nitrogen	MCAWW 351.2	
Total Recoverable Phenolics	MCAWW 420.2	
Total Suspended Solids	MCAWW 160.2	

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

* Ammonia and/or Fluoride were not distilled prior to analysis.

NON-CONFORMANCE SUMMARY

Job#: A06-8930

STL Project#: NY5A9582
Site Name: Airco - Niagara Falls

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-8930
Sample Cooler(s) were received at the following temperature(s); 3.4 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Airco - Niagara Falls
Airco Parcel, Niagara Falls (Discharge)

Sample ID: AP-EWE-01
Lab Sample ID: A6893001
Date Collected: 08/04/2006
Time Collected: 08:00

Date Received: 08/04/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-CFR136 624 - SELECT COMPOUNDS							
1,1-Dichloroethane	ND		5.0	UG/L	624	08/07/2006 23:33	TLC
Trichloroethene	ND		5.0	UG/L	624	08/07/2006 23:33	TLC
Metals Analysis							
Barium - Total	ND		2000	UG/L	200.7	08/08/2006 17:31	TWS
Chromium - Total	ND		100	UG/L	200.7	08/08/2006 17:31	TWS
Copper - Total	ND		14.7	UG/L	200.7	08/08/2006 17:31	TWS
Iron - Total	1380		300	UG/L	200.7	08/08/2006 17:31	TWS
Nickel - Total	ND		70.0	UG/L	200.7	08/08/2006 17:31	TWS
Selenium - Total	ND		4.6	UG/L	200.8	08/08/2006 14:21	SW
Thallium - Total	ND		4.0	UG/L	200.8	08/08/2006 14:21	SW
Zinc - Total	ND		115	UG/L	200.7	08/08/2006 17:31	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	08/07/2006 12:44	ERK
Biochemical Oxygen Demand	ND		5.0	MG/L	405.1	08/04/2006 14:40	SM
Chemical Oxygen Demand	ND		40.0	MG/L	410.4	08/08/2006 11:00	AEG
Dissolved Oxygen	ND		7.0	MG/L	360.1	08/04/2006 14:30	SM
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	08/04/2006 11:30	ERK
Nitrite	ND		0.050	MG/L-N	353.2	08/04/2006 15:24	EC
Nitrogen, Nitrate	ND		0.050	MG/L-N	353.2	08/04/2006 15:24	EC
pH	7.37		0.100	S.U.	9040	08/04/2006 17:50	SM
Total Dissolved Solids	608		4.0	MG/L	160.1	08/08/2006 10:20	RM
Total Kjeldahl Nitrogen	1.1		1.0	MG/L-N	351.2	08/08/2006 14:31	LRM
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	08/10/2006 08:56	LRM
Total Suspended Solids	ND		10	MG/L	160.2	08/08/2006 09:45	RM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (Discharge)

Sample ID: TRIP BLANK
Lab Sample ID: A6893002
Date Collected: 08/04/2006
Time Collected: :

Date Received: 08/04/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-CFR136 624 - SELECT COMPOUNDS							
1,1-Dichloroethane	ND		5.0	UG/L	624	08/07/2006 21:27	TLC
Trichloroethene	ND		5.0	UG/L	624	08/07/2006 21:27	TLC

Batch Quality Control Data

Lab Sample ID: A6893201 A6893201MS A6893201SD

Analyte	Units of Measure	Concentration Sample	Matrix Spike	Spike Duplicate	Spike Amount MS	MSD	% Recovery MS	MSD	Avg	% RPD	QC LIMITS RPD	REC.
T-M: BA,BE,CD,CR,CO,CU,PB,NI,V												
6010 - TOTAL CHROMIUM - RL=0.02 MG/L	MG/L	0.0272	0.234	0.229	0.200	0.200	104	101	103	3	20.0	75-125
6010 - TOTAL COPPER - RL= 0.01 MG/L	MG/L	0.0219	0.237	0.231	0.200	0.200	108	105	107	3	20.0	75-125
6010 - TOTAL NICKEL - RL= 0.025 MG/L	MG/L	0.108	0.320	0.311	0.200	0.200	106	101	104	5	20.0	75-125
TOTAL BARIUM	MG/L	0.457	0.672	0.651	0.200	0.200	108	97	103	11	20.0	75-125
TOTAL BERYLLIUM	MG/L	0.00010	0.207	0.202	0.200	0.200	104	101	103	3	20.0	75-125
TOTAL CADMIUM	MG/L	0	0.209	0.205	0.200	0.200	105	103	104	2	20.0	75-125
TOTAL COBALT BY ICP	MG/L	0.00840	0.210	0.205	0.200	0.200	101	99	100	2	20.0	75-125
TOTAL LEAD 0.050 MG/L	MG/L	0.00720	0.216	0.214	0.200	0.200	105	103	104	2	20.0	75-125
TOTAL VANADIUM BY ICP	MG/L	0.0199	0.227	0.222	0.200	0.200	104	101	103	3	20.0	75-125
T-M: SB,AS,SE,AG,TL												
6020 - TOTAL SELENIUM - RL= 0.002 MG/L	MG/L	0	0.0171	0.0175	0.0200	0.0200	86	88	87	2	20.0	75-125
6020 - TOTAL SILVER - RL= 0.0005 MG/L	MG/L	0.00094	0.0198	0.0198	0.0200	0.0200	94	94	94	0	20.0	75-125
6020 TOTAL ANTIMONY	MG/L	0.00237	0.0240	0.0230	0.0200	0.0200	108	104	106	4	20.0	75-125
6020 TOTAL ARSENIC	MG/L	0.259	0.275	0.276	0.0200	0.0200	82	85	84	4	20.0	75-125
6020 TOTAL THALLIUM	MG/L	0	0.0197	0.0197	0.0200	0.0200	99	99	99	0	20.0	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6885305 A6885305MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS 350.1 - AMMONIA	MG/L-N	0.0762	0.227	0.200	76	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6889807 A6889807MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
ALLIED - METHOD 350.1 - AMMONIA - W	MG/L-N	0.136	0.337	0.200	100	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6889808 A6889808MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS ALLIED - METHOD 410.1 CHEMICAL OXYGEN	MG/L	19.10	162.1	50.00	286 *	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6890001 A6890001MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM	UG/L	0	30.00	50.00	60 *	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6893001 A6893001MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	0	234.6	198.0	118	22-178

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6894101 A6894101MS A6894101SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
WET CHEMISTRY ANALYSIS												
METHOD 351.2 - TOTAL KJELDAHL NITROGEN	MG/L-N	0.227	1.30	1.35	1.00	1.00	108	113	111	4	27.0	72-127
METHOD 410.4 - CHEMICAL OXYGEN DEMAND	MG/L	14.40	58.80	64.30	50.00	50.00	89 *	100	95	12	20.0	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6896601 A6896601MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9066 - TOTAL RECOVERABLE PHENOL	MG/L	0	0.0490	0.100	49 *	60-143

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6896701 A6896701MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	0	168.0	198.0	85	22-178

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Chronology and QC Summary Package

Client ID		VBLK53							
Job No	Lab ID	A06-8930	A6B2429302						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
Trichloroethene	UG/L	ND	5.0	NA		NA		NA	
SURROGATE(S)									
Toluene-D8	%	100	82-114	NA		NA		NA	
p-Bromofluorobenzene	%	109	71-125	NA		NA		NA	
1,2-Dichloroethane-D4	%	103	83-132	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A06-8930	A6B2420902						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Chromium - Total	UG/L	ND	100	NA		NA		NA	
Iron - Total	UG/L	ND	300	NA		NA		NA	
Barium - Total	UG/L	ND	2000	NA		NA		NA	
Copper - Total	UG/L	ND	14.7	NA		NA		NA	
Zinc - Total	UG/L	ND	115	NA		NA		NA	
Nickel - Total	UG/L	ND	70.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A06-8930	A6B2421002						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Thallium - Total	UG/L	ND	4.0	NA		NA		NA	
Selenium - Total	UG/L	ND	4.6	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No / Lab ID		A06-8930	A6B2409602	A06-8930	A6B2414102	A06-8930	A6B2414602	A06-8930	A6B2421102
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Hexavalent Chromium - Total	UG/L	ND	11.0	NA		NA		NA	
Nitrite	MG/L-N	NA		ND	0.050	NA		NA	
Biochemical Oxygen Demand	MG/L	NA		NA		ND	5.0	NA	
Total Kjeldahl Nitrogen	MG/L-N	NA		NA		NA		ND	1.0
Nitrogen, Nitrate	MG/L-N	NA		ND	0.050	NA		NA	

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No / Lab ID		A06-8930	A6B2423002	A06-8930	A6B2423102	A06-8930	A6B2426202	A06-8930	A6B2426802
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Ammonia	MG/L-N	ND	9.2	NA		NA		NA	
Total Recoverable Phenolics	UG/L	NA		ND	8.0	NA		NA	
Chemical Oxygen Demand	MG/L	NA		NA		ND	40.0	NA	
Total Suspended Solids	MG/L	NA		NA		NA		ND	10

Client ID		Method Blank							
Job No / Lab ID		A06-8930	A6B2427002						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Dissolved Solids	MG/L	5.0	4.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK53 LFB53
Lab Sample ID: A6B2429302 A6B2429301

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 624 - PRIORITY POLLUTANT VOLATILE					
1,1-Dichloroethane	UG/L	21.5	20.0	108	73-128
Trichloroethene	UG/L	19.5	20.0	98	67-134

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LFB
Lab Sample ID: A6B2420902 A6B2420901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
8 DISCHARGE METALS					
TOTAL BARIUM	UG/L	201.2	200.0	101	85-115
TOTAL CHROMIUM	UG/L	204.4	200.0	102	85-115
TOTAL COPPER	UG/L	203.8	200.0	102	85-115
TOTAL IRON	UG/L	10132	10000	101	85-115
TOTAL NICKEL	UG/L	210.1	200.0	105	85-115
TOTAL ZINC	UG/L	208.7	200.0	104	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LFB
Lab Sample ID: A6B2421002 A6B2421001

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
200.8 DISCHARGE METALS					
200.8 TOTAL SELENIUM	UG/L	19.82	20.00	99	85-115
TOTAL THALLIUM	UG/L	20.50	20.00	102	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: AP-EWE-01 AP-EWE-01
Lab Sample ID: A6893001 A6893001MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	0	234.6	198.0	118	22-178

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2414102 A6B2414101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 353.2 - NITRITE	MG/L-N	0.994	1.00	99	90-110
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.56	2.50	102	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2414602 A6B2414601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	210.6	198.0	106	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2421102 A6B2421101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
351.2 - TOTAL KJELDAHL NITROGEN - 1.0	MG/L-N	2.57	2.50	103	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A6B2423002

LCS
A6B2423001

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.748	0.750	100	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2423102 A6B2423101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	336.0	343.0	98	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2426202 A6B2426201

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 410.4 - CHEMICAL OXYGEN DEMAND	MG/L	25.30	25.00	101	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2426802 A6B2426801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.2 - TOTAL SUSPENDED SOLIDS	MG/L	851.0	878.0	97	88-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID	AP-EWE-01				
Job No & Lab Sample ID	A06-8930 A6893001				
Sample Date	08/04/2006 08:00				
Received Date	08/04/2006 12:45				
Extraction Date					
Analysis Date	08/07/2006 23:33				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID Job No & Lab Sample ID	TRIP BLANK A06-8930 A6893002				
Sample Date	08/04/2006				
Received Date	08/04/2006 12:45				
Extraction Date					
Analysis Date	08/07/2006 21:27				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID	VBLK53				
Job No & Lab Sample ID	A06-8930 A6B2429302				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	08/07/2006 20:39				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6893001	AP-EWE-01	RECNY	Barium - Total	200.7	1.0	0.05	L	08/04/06 08:00	08/04 12:45	NA		08/08 17:31	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	08/04/06 08:00	08/04 12:45	NA		08/08 17:31	TWS	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	08/04/06 08:00	08/04 12:45	NA		08/08 17:31	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	08/04/06 08:00	08/04 12:45	NA		08/08 17:31	TWS	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	08/04/06 08:00	08/04 12:45	NA		08/08 17:31	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	08/04/06 08:00	08/04 12:45	NA		08/08 17:31	TWS	Y	WATER
		RECNY	Selenium - Total	200.8	1.0	0.05	L	08/04/06 08:00	08/04 12:45	NA		08/08 14:21	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	08/04/06 08:00	08/04 12:45	NA		08/08 14:21	SW	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
QC CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B2420902	Method Blank	RECNY	Barium - Total	200.7	1.0	0.05	L	-	-	NA		08/08 16:01	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	-	-	NA		08/08 16:01	TWS	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	-	-	NA		08/08 16:01	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	-	-	NA		08/08 16:01	TWS	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	-	-	NA		08/08 16:01	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	-	-	NA		08/08 16:01	TWS	Y	WATER
A6B2421002	Method Blank	RECNY	Selenium - Total	200.8	1.0	0.05	L	-	-	NA		08/08 13:55	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	-	-	NA		08/08 13:55	SW	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6893001	AP-EWE-01	RECNY	pH	9040	1.0		08/04/06 08:00	08/04 12:45	NA		08/04 17:50	SM	Y	WATER
		RECNY	Total Kjeldahl Nitrogen	351.2	1.0		08/04/06 08:00	08/04 12:45	NA		08/08 14:31	LRM	Y	WATER
		RECNY	Nitrogen, Nitrate	353.2	1.0		08/04/06 08:00	08/04 12:45	NA		08/04 15:24	EC	Y	WATER
		RECNY	Nitrite	353.2	1.0		08/04/06 08:00	08/04 12:45	NA		08/04 15:24	EC	Y	WATER
		RECNY	Biochemical Oxygen Demand	405.1	1.0		08/04/06 08:00	08/04 12:45	NA		08/04 14:40	SM	Y	WATER
		RECNY	Total Dissolved Solids	160.1	1.0		08/04/06 08:00	08/04 12:45	NA		08/08 10:20	RM	Y	WATER
		RECNY	Ammonia	350.1	1.0		08/04/06 08:00	08/04 12:45	NA		08/07 12:44	ERK	Y	WATER
		RECNY	Chemical Oxygen Demand	410.4	1.0		08/04/06 08:00	08/04 12:45	NA		08/08 11:00	AEG	Y	WATER
		RECNY	Total Suspended Solids	160.2	1.0		08/04/06 08:00	08/04 12:45	NA		08/08 09:45	RM	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		08/04/06 08:00	08/04 12:45	NA		08/10 08:56	LRM	Y	WATER
		RECNY	Dissolved Oxygen	360.1	1.0		08/04/06 08:00	08/04 12:45	NA		08/04 14:30	SM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		08/04/06 08:00	08/04 12:45	NA		08/04 11:30	ERK	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
QC CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B2409602	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1 L	-	-	NA		08/04 11:30	ERK	Y	WATER
A6B2414102	Method Blank	RECNY	Nitrogen, Nitrate	353.2	1.0		-	-	NA		08/04 15:24	EC	Y	WATER
		RECNY	Nitrite	353.2	1.0		-	-	NA		08/04 15:24	EC	Y	WATER
A6B2414602	Method Blank	RECNY	Biochemical Oxygen Demand	405.1	1.0		-	-	NA		08/04 14:40	SM	Y	WATER
A6B2421102	Method Blank	RECNY	Total Kjeldahl Nitrogen	351.2	1.0		-	-	NA		08/08 14:31	LRM	Y	WATER
A6B2423002	Method Blank	RECNY	Ammonia	350.1	1.0		-	-	NA		08/07 12:44	ERK	Y	WATER
A6B2423102	Method Blank	RECNY	Total Recoverable Phenolics	420.2	1.0		-	-	NA		08/10 08:56	LRM	Y	WATER
A6B2426202	Method Blank	RECNY	Chemical Oxygen Demand	410.4	1.0		-	-	NA		08/08 11:00	AEG	Y	WATER
A6B2426802	Method Blank	RECNY	Total Suspended Solids	160.2	1.0		-	-	NA		08/08 09:45	RM	Y	WATER
A6B2427002	Method Blank	RECNY	Total Dissolved Solids	160.1	1.0		-	-	NA		08/08 10:20	RM	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

ANALYTICAL REPORT

Job#: A06-B790

STL Project#: NY5A9582
Site Name: Airco - Niagara Falls
Task: Airco Parcel, Niagara Falls

Charles E. McLeod, Jr.
Greenstar Engineering, PC
6 Gellatly Drive
Wappinger Falls, NY 12590

STL Buffalo

Jason R. Kacalski
Project Manager

10/23/2006

STL Buffalo
Current Certifications

As of 9/28/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA,NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A6B79001	AP-EWE-01	WATER	10/10/2006	15:30	10/10/2006	16:35
A6B79002	Trip Blank	WATER	10/10/2006		10/10/2006	16:35

METHODS SUMMARY

Job#: A06-B790

STL Project#: NY5A9582
Site Name: Airco - Niagara Falls

PARAMETER	ANALYTICAL METHOD	
METHOD 624 - PRIORITY POLLUTANT VOLATILES	CFR136 624	
Barium - Total	MCAWW 200.7	
Chromium - Total	MCAWW 200.7	
Copper - Total	MCAWW 200.7	
Iron - Total	MCAWW 200.7	
Nickel - Total	MCAWW 200.7	
Selenium - Total	MCAWW 200.8	
Thallium - Total	MCAWW 200.8	
Zinc - Total	MCAWW 200.7	
Ammonia	MCAWW 350.1	*
Biochemical Oxygen Demand	MCAWW 405.1	
Chemical Oxygen Demand	MCAWW 410.4	
Dissolved Oxygen	MCAWW 360.1	
Hexavalent Chromium - Total	SW8463 7196A	
Nitrite	MCAWW 353.2	
Nitrogen, Nitrate	MCAWW 353.2	
pH	SW8463 9040	
Total Dissolved Solids	MCAWW 160.1	
Total Kjeldahl Nitrogen	MCAWW 351.2	
Total Recoverable Phenolics	MCAWW 420.2	
Total Suspended Solids	MCAWW 160.2	

References:

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

* Ammonia and/or Fluoride were not distilled prior to analysis.

NON-CONFORMANCE SUMMARY

Job#: A06-B790

STL Project#: NY5A9582
Site Name: Airco - Niagara Falls

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-B790
Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The requested project specific reporting limits listed below were less than STL's standard quantitation limits. It must be noted that results reported below STL's standard quantitation limit (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Parameter	Unit	Client DL	STL PQL
Wet Chemistry				
160.1	Total Dissolved Solids	MG/L	1.0	10
420.2	Total Recoverable Phenolics	UG/L	8.0	10

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Airco - Niagara Falls
Airco Parcel, Niagara Falls (Discharge)

Sample ID: AP-EWE-01
Lab Sample ID: A6B79001
Date Collected: 10/10/2006
Time Collected: 15:30

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-CFR136 624 - SELECT COMPOUNDS							
1,1-Dichloroethane	ND		5.0	UG/L	624	10/18/2006 04:57	CDC
Trichloroethene	ND		5.0	UG/L	624	10/18/2006 04:57	CDC
Metals Analysis							
Barium - Total	ND		2000	UG/L	200.7	10/17/2006 02:02	AK
Chromium - Total	ND		100	UG/L	200.7	10/17/2006 02:02	AK
Copper - Total	ND		14.7	UG/L	200.7	10/17/2006 02:02	AK
Iron - Total	ND		300	UG/L	200.7	10/17/2006 02:02	AK
Nickel - Total	ND		70.0	UG/L	200.7	10/17/2006 02:02	AK
Selenium - Total	ND		4.6	UG/L	200.8	10/12/2006 19:54	SW
Thallium - Total	ND		4.0	UG/L	200.8	10/12/2006 19:54	SW
Zinc - Total	ND		115	UG/L	200.7	10/17/2006 02:02	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	10/11/2006 10:24	ERK
Biochemical Oxygen Demand	ND		5.0	MG/L	405.1	10/11/2006 08:56	AEG
Chemical Oxygen Demand	ND		40.0	MG/L	410.4	10/11/2006 12:00	KD
Dissolved Oxygen	7.8		7.0	MG/L	360.1	10/11/2006 15:00	AEG
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	10/11/2006 08:50	KD
Nitrite	ND		0.050	MG/L-N	353.2	10/11/2006 14:10	RM
Nitrogen, Nitrate	ND		0.050	MG/L-N	353.2	10/11/2006 14:10	RM
pH	7.23		0.100	S.U.	9040	10/11/2006 09:40	LRM
Total Dissolved Solids	774		4.0	MG/L	160.1	10/11/2006 15:00	KD
Total Kjeldahl Nitrogen	ND		1.0	MG/L-N	351.2	10/20/2006 12:03	LRM
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	10/19/2006 09:37	LRM
Total Suspended Solids	ND		10	MG/L	160.2	10/12/2006 15:30	KD

Airco - Niagara Falls
Airco Parcel, Niagara Falls (Discharge)

Sample ID: Trip Blank
Lab Sample ID: A6B79002
Date Collected: 10/10/2006
Time Collected:

Date Received: 10/10/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-CFR136 624 - SELECT COMPOUNDS							
1,1-Dichloroethane	ND		5.0	UG/L	624	10/18/2006 05:20	CDC
Trichloroethene	ND		5.0	UG/L	624	10/18/2006 05:20	CDC

Batch Quality Control Data

Lab Sample ID: A6B69803 A6B69803MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 410.4 - CHEMICAL OXYGEN DEMAND,	MG/L	35.81	137.1	50.00	202 *	70-130

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B73404 A6B73404MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.0650	0.245	0.200	90	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B78302 A6B78302MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.0118	0.191	0.200	90	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B78304 A6B78304MS A6B78304SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
WET CHEMISTRY ANALYSIS												
METHOD 350.1 - AMMONIA	MG/L-N	0.0817	0.245	0.251	0.200	0.200	82	85	84	4	20.0	54-150
METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	0	0	0	198.0	198.0	0 *	0 *	0	0	20.0	22-178

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B78313 A6B78313MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 410.4 - CHEMICAL OXYGEN DEMAND	MG/L	4.39	82.80	50.00	157 *	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B78902 A6B78902MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	0	50.80	50.00	102	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B78911 A6B78911MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	0	55.40	50.00	111	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A6B79001 A6B79001MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	0	0	198.0	0 *	22-178

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Chronology and QC Summary Package

Client ID		VBLK07							
Job No	Lab ID	A06-B790	A6B2831402						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
Trichloroethene	UG/L	ND	5.0	NA		NA		NA	
SURROGATE(S)									
Toluene-D8	%	100	82-114	NA		NA		NA	
p-Bromofluorobenzene	%	95	71-125	NA		NA		NA	
1,2-Dichloroethane-D4	%	101	83-132	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A06-B790	A6B2804502						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Barium - Total	UG/L	ND	2000	NA		NA		NA	
Copper - Total	UG/L	ND	14.7	NA		NA		NA	
Nickel - Total	UG/L	ND	70.0	NA		NA		NA	
Chromium - Total	UG/L	ND	100	NA		NA		NA	
Iron - Total	UG/L	ND	300	NA		NA		NA	
Zinc - Total	UG/L	ND	115	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A06-B790	A6B2804702						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Selenium - Total	UG/L	ND	4.6	NA		NA		NA	
Thallium - Total	UG/L	ND	4.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No / Lab ID		A06-B790	A6B2797202	A06-B790	A6B2797302	A06-B790	A6B2800102	A06-B790	A6B2800202
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Ammonia	MG/L-N	ND	9.2	NA		NA		NA	
Biochemical Oxygen Demand	MG/L	NA		ND	5.0	NA		NA	
Total Dissolved Solids	MG/L	NA		NA		ND	4.0	NA	
Hexavalent Chromium - Total	UG/L	NA		NA		NA		ND	11.0

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No / Lab ID		A06-B790	A6B2801402	A06-B790	A6B2802102	A06-B790	A6B2809302	A06-B790	A6B2814902
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Chemical Oxygen Demand	MG/L	ND	40.0	NA		NA		NA	
Nitrite	MG/L-N	NA		ND	0.050	NA		NA	
Total Suspended Solids	MG/L	NA		NA		ND	10	NA	
Total Recoverable Phenolics	UG/L	NA		NA		NA		ND	8.0
Nitrogen, Nitrate	MG/L-N	NA		ND	0.050	NA		NA	

Client ID		Method Blank							
Job No / Lab ID		A06-B790	A6B2841102						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Kjeldahl Nitrogen	MG/L-N	ND	1.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK07 MSB07
Lab Sample ID: A6B2831402 A6B2831401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 624 - PRIORITY POLLUTANT VOLATILE					
1,1-Dichloroethane	UG/L	20.7	20.0	104	73-128
Trichloroethene	UG/L	19.7	20.0	99	67-134

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LFB
Lab Sample ID: A6B2804502 A6B2804501

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
8 DISCHARGE METALS					
TOTAL BARIUM	UG/L	197.5	200.0	99	85-115
TOTAL CHROMIUM	UG/L	199.3	200.0	100	85-115
TOTAL COPPER	UG/L	196.9	200.0	98	85-115
TOTAL IRON	UG/L	9728	10000	97	85-115
TOTAL NICKEL	UG/L	205.9	200.0	103	85-115
TOTAL ZINC	UG/L	202.2	200.0	101	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LFB
Lab Sample ID: A6B2804702 A6B2804701

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
200.8 DISCHARGE METALS					
200.8 TOTAL SELENIUM	UG/L	20.61	20.00	103	85-115
TOTAL THALLIUM	UG/L	20.18	20.00	101	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: AP-EWE-01 AP-EWE-01
Lab Sample ID: A6B79001 A6B79001MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	0	0	198.0	0 *	22-178

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A6B2797202

LCS
A6B2797201

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.752	0.750	100	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2797302 A6B2797301

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	79.90	106.0	75 *	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2800202 A6B2800201

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	50.00	50.00	100	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A6B2801402

LCS
A6B2801401

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 410.4 - CHEMICAL OXYGEN DEMAND	MG/L	25.70	25.00	103	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A6B2802102

LCS
A6B2802101

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 353.2 - NITRITE	MG/L-N	0.956	1.00	96	90-110
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.65	2.50	106	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A6B2809302

LCS
A6B2809301

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.2 - TOTAL SUSPENDED SOLIDS	MG/L	509.0	527.0	96	88-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2814902 A6B2814901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	603.0	611.0	99	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2841102 A6B2841101

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
351.2 - TOTAL KJELDAHL NITROGEN - 1.0	MG/L-N	4.97	5.00	99	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID	AP-EWE-01				
Job No & Lab Sample ID	A06-B790 A6B79001				
Sample Date	10/10/2006 15:30				
Received Date	10/10/2006 16:35				
Extraction Date					
Analysis Date	10/18/2006 04:57				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID Job No & Lab Sample ID	Trip Blank A06-B790 A6B79002				
Sample Date	10/10/2006				
Received Date	10/10/2006 16:35				
Extraction Date					
Analysis Date	10/18/2006 05:20				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID Job No & Lab Sample ID	VBLK07 A06-B790 A6B2831402				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	10/17/2006 20:17				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B79001	AP-EWE-01	RECNY	Barium - Total	200.7	1.0	0.05 L	10/10/06 15:30	10/10 16:35	NA		10/17 02:02	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05 L	10/10/06 15:30	10/10 16:35	NA		10/17 02:02	AK	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05 L	10/10/06 15:30	10/10 16:35	NA		10/17 02:02	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05 L	10/10/06 15:30	10/10 16:35	NA		10/17 02:02	AK	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05 L	10/10/06 15:30	10/10 16:35	NA		10/17 02:02	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05 L	10/10/06 15:30	10/10 16:35	NA		10/17 02:02	AK	Y	WATER
		RECNY	Selenium - Total	200.8	1.0	0.05 L	10/10/06 15:30	10/10 16:35	NA		10/12 19:54	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05 L	10/10/06 15:30	10/10 16:35	NA		10/12 19:54	SW	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
QC CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B2804502	Method Blank	RECNY	Barium - Total	200.7	1.0	0.05 L	-	-	NA		10/17 01:48	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05 L	-	-	NA		10/17 01:48	AK	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05 L	-	-	NA		10/17 01:48	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05 L	-	-	NA		10/17 01:48	AK	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05 L	-	-	NA		10/17 01:48	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05 L	-	-	NA		10/17 01:48	AK	Y	WATER
A6B2804702	Method Blank	RECNY	Selenium - Total	200.8	1.0	0.05 L	-	-	NA		10/12 19:40	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05 L	-	-	NA		10/12 19:40	SW	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B79001	AP-EWE-01	RECNY	pH	9040	1.0		10/10/06 15:30	10/10 16:35	NA		10/11 09:40	LRM	Y	WATER
		RECNY	Total Kjeldahl Nitrogen	351.2	1.0		10/10/06 15:30	10/10 16:35	NA		10/20 12:03	LRM	Y	WATER
		RECNY	Nitrogen, Nitrate	353.2	1.0		10/10/06 15:30	10/10 16:35	NA		10/11 14:10	RM	Y	WATER
		RECNY	Nitrite	353.2	1.0		10/10/06 15:30	10/10 16:35	NA		10/11 14:10	RM	Y	WATER
		RECNY	Biochemical Oxygen Demand	405.1	1.0		10/10/06 15:30	10/10 16:35	NA		10/11 08:56	AEG	Y	WATER
		RECNY	Total Dissolved Solids	160.1	1.0		10/10/06 15:30	10/10 16:35	NA		10/11 15:00	KD	Y	WATER
		RECNY	Ammonia	350.1	1.0		10/10/06 15:30	10/10 16:35	NA		10/11 10:24	ERK	Y	WATER
		RECNY	Chemical Oxygen Demand	410.4	1.0		10/10/06 15:30	10/10 16:35	NA		10/11 12:00	KD	Y	WATER
		RECNY	Total Suspended Solids	160.2	1.0		10/10/06 15:30	10/10 16:35	NA		10/12 15:30	KD	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		10/10/06 15:30	10/10 16:35	NA		10/19 09:37	LRM	Y	WATER
		RECNY	Dissolved Oxygen	360.1	1.0		10/10/06 15:30	10/10 16:35	NA		10/11 15:00	AEG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		10/10/06 15:30	10/10 16:35	NA		10/11 08:50	KD	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
QC CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B2797202	Method Blank	RECNY	Ammonia	350.1	1.0		-	-	NA		10/11 10:24	ERK	Y	WATER
A6B2797302	Method Blank	RECNY	Biochemical Oxygen Demand	405.1	1.0		-	-	NA		10/11 08:56	AEG	Y	WATER
A6B2800102	Method Blank	RECNY	Total Dissolved Solids	160.1	1.0		-	-	NA		10/11 15:00	KD	Y	WATER
A6B2800202	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1 L	-	-	NA		10/11 08:50	KD	Y	WATER
A6B2801402	Method Blank	RECNY	Chemical Oxygen Demand	410.4	1.0		-	-	NA		10/11 12:00	KD	Y	WATER
A6B2802102	Method Blank	RECNY	Nitrogen, Nitrate	353.2	1.0		-	-	NA		10/11 14:10	RM	Y	WATER
		RECNY	Nitrite	353.2	1.0		-	-	NA		10/11 14:10	RM	Y	WATER
A6B2809302	Method Blank	RECNY	Total Suspended Solids	160.2	1.0		-	-	NA		10/12 15:30	KD	Y	WATER
A6B2814902	Method Blank	RECNY	Total Recoverable Phenolics	420.2	1.0		-	-	NA		10/19 09:37	LRM	Y	WATER
A6B2841102	Method Blank	RECNY	Total Kjeldahl Nitrogen	351.2	1.0		-	-	NA		10/20 12:03	LRM	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Attachment G

Monthly Operation and Maintenance Details
July–December 2006

1. INTRODUCTION

This report presents a summary of the ongoing operation and maintenance activities for the Airco Parcel site from 1 July to 31 December 2006. It includes a summary of ongoing operations and repairs, corrective actions, improvements, and an analysis of the groundwater collection treatment system (GCTS) performance.

2. ROUTINE OPERATION AND MAINTENANCE

The 21,600 gal per day discharge limit was not exceeded during the reporting period. Table 2 of the Bi-Annual 2006 Monitoring Event Letter Report provides a summary of the quarterly effluent analytical data from August and October. Routine operation and maintenance was completed throughout the monitoring period. Field tasks included system checks, data collection, and field analysis of treatment water at various stages of the treatment process, transducer cleanings, and general site maintenance.

3. SYSTEM OPERATIONS AND EFFICIENCY

During this monitoring period, 1,527,063 gal of groundwater were treated and discharged to the stormwater swale adjacent to the engineered wetlands. The system averaged 5.8 gpm, during the report period, with no influence observed due to heavy rain events. The treatment system was operational for 95.2 percent of the report period, with no scheduled down periods.

The completed System Monitoring Checklists are provided in Attachment G.1. During the report period, an estimated 1.8 lb of total chromium of which an estimated 1.6 lb was hexavalent chromium, was removed by the system. These values are based on the estimated total gallons treated, the average influent and effluent concentrations observed from the bi-weekly field sampling.

3.1 SYNOPSIS OF THE BI-ANNUAL ACTIVITIES

July 2006

The system was operational for all 31 days in July. No alarm conditions were reported, and no scheduled or unscheduled shut downs occurred. The following details the activities which were performed during July.

- 3 July 2006 – Prior to the routine site visit, the PRC1000 relay which operated the cable modem power supply, was determined to be functioning erratically. The relay was re-wired and programmed and returned to service. A new part was ordered.

August 2006

The system was operational for 25.5 days in August. No alarm conditions were reported, and no scheduled shut downs occurred. The following details the activities which were performed to during August.

- 3 August 2006 – The PRC1000 relay which was functioning erratically was replaced.

- 12 August 2006 – Remote monitoring of the system indicated that the carbon dioxide tank level was not changing. Further investigation determined that the PLC was not running and the system was off line. Historical trends indicated that the system was off line for 5.5 days due to the PLC malfunction. The PLC and autodialer will be re-wired and programmed to call out in the event of a PLC run failure when additional control features are upgraded in late 2006.

- 29 August 2006 – The pH probe was cleaned and calibrated.

September 2006

The system was operational for all 30 days in September. No alarm conditions were reported, and no scheduled or unscheduled shut downs occurred. The following details the activities which were performed to during September.

- 16 September 2006 – Cleaned CO_2 tube diffuser in T6. Attempted to re-install diffusers in T6. Special tool required for diffuser head. Tool ordered.

- 29 September 2006 – Cleaned CO_2 tube diffuser in T6. Removed vegetation from Wetland effluent pipe to clear the obstruction.

October 2006

The system was operational for 29.875 days in October. No scheduled shut downs occurred. A low level in T3A was reported on 11 October 2006. The pressure transducer wiring had come loose and was tightened. The system was down for 27 hours due to the electrical and control wiring to P1A and P1B being cut accidentally. The following details the activities which were performed to during October.

- On 9 October 2006, the system shut down due to the electrical lines being cut during the sediment removal. The lines were repaired, and the system restarted on 10 October 2006. The system was down for 27 hours.

- On 11 October 2006 calibration of the pH probe was unsuccessfully attempted. The probe was replaced with a probe from inventory. The second probe failed to work. A new probe was ordered and successfully installed on 12 October 2006. The system was not shut down during this repair.

- On 25 October 2006 the pressure transducer in T3A was found to have a loose connection. The connection was tightened. The pH meter was recalibrated twice and the calibration successfully stored. The T3B pressure transducer was removed, cleaned, and reinstalled.

- New air diffusers were installed in T6, and the sparge system restarted.

November 2006

The system was operational for 27.75 days in November. No scheduled shut downs occurred. A high pH was reported on 10 November 2006 and a low pH was reported on 15 November 2006. The following details the activities which were performed to during November.

- On 10 November 2006 a high pH in T3 shut the system down. No audible alarm was received. The set points were adjusted on 12 November 2006 to allow the system to run. The problem was a faulty pH reading. The system was down for 2 days 5 hours.

- On 14 November 2006, P1A was evaluated due to a pump fail to start alarm on 30 October 2006. The thermal overload was found to be tripped. It was reset, and the pump monitored for amp draw. The pump operated within normal limits. The pH meter was replaced and successfully calibrated.

- On 15 November 2006, the pH meter indicated a zero pH. The CO_2 system was placed into hand, and an electrician called to evaluate the wiring. The system was down for 1 hour.

- On 22 November 2006 the new pond was installed to divert flow in the event of a treatment system failure, or during scheduled shutdown conditions for system cleaning.

- On 25 November 2006, the southwest corner collection system was corrected to eliminate leachate seeps which commenced shortly after the sediment removal project.

- On 27 November 2006, a new pH meter was installed and the probe re-installed. The meter remained calibrated for 1 day. The CO_2 system was placed into hand and the manufacturer contacted. A field representative will be scheduled to visit the site as soon as possible.

- On 29 November 2006 the new pond was completed with the installation of the reinforced polypropylene lining.

December 2006

The system was operational for 31 days in December. No scheduled shut downs occurred. The following details the activities which were performed to during December.

- On 3 December 2006, P1A failed to start. The pump was turned off remotely and P1B continued to pump.

- On 13 December 2006, P1A was evaluated and the pump found to be in working order. The pump operated within normal limits and was reset to automatic operation.

- On 15 December 2006, a P5 fail to start alarm was observed. The operational set points were adjusted to allow the system to continue to operate. On 17 December 2006 Greenstar personnel mobilized to the site. The following day, P5 was replaced with a

pump from inventory. The check valve was found to be inoperable and was disassembled, cleaned and reinstalled. The system set points for the operation of P5 were adjusted to allow the pump to cycle less frequently to improve the pump life cycle.

4. MODIFICATIONS/IMPROVEMENTS AND RECOMMENDATIONS

4.1 SYSTEM MODIFICATION/IMPROVEMENTS

During the monitoring period of July – December 2006, Greenstar performed the following modifications and improvements to the GCTS:

- The CO_2 pressure transmitter was integrated into the PLC and SCADA system to track real time tank level and CO_2 consumption.
- Sediment from the southwest corner was removed and regarding of the swale to improve stormwater flow around the pump station was performed.
- The engineered wetland discharge line was re-routed under the access road to MW-8B to allow the water to directly discharge into the swale. The access road to MW-8B was subsequently refurbished with additional stone and geotextile fabric to restore it to specification.
- Construction of a new 40,000 gallon lined pond which will allow the system to run 24/7 during system failures and system down time for maintenance was installed.
- Permits for the installation of the standby generator were applied for. Installation of the generator will occur during the next report period.

5. PROJECTED OPERATION AND MAINTENACE

5.1 JANUARY – JUNE 2007

During the first bi-annual report period of 2007, in addition to completing routine operation and maintenance activities, Greenstar anticipates performing the following activities:

- Installation of the standby generator and automatic transfer switch.
- Installation of two 1,000 propane tanks.
- Installation of the new valve shed for operation of the GCTS influent.

6. SYSTEM MONITORING

6.1 ENVIRONMENTAL SAMPLING

Routine system sampling with field analysis will continue on a bi-monthly basis to ensure chromium removal efficiency are maintained and no short circuiting is occurring in the ZVI beds. Quarterly discharge samples will be collected in February, May, August and October 2007 from the GCTS to meet the New York State Department of Environmental Conservation discharge permit requirements. The first bi-annual groundwater monitoring event for 2007 will occur in April 2007.

Attachment G.1

Airco Parcel Bi-Weekly System Monitoring Checklists July–December 2006

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 7/3/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny, T-Storms, 88 degrees		
READING		*ITEM*
227		Carbon Dioxide Storage Tank Pressure (220-235 psi)
4,100		Carbon Dioxide Tank Liquid Level
2.3		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
6.3/6.4		T3 pH Reading
616.5		T3A Water Elevation
1.6		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
3.4		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
1.9		T3B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
615.7/615.8		T7 Water Level Reading
OFF		Pump 7 Operational Status
2,945,658		Flow Meter Reading
READING	*Standard*	*LOCATION/PARAMETER*
0.105	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.7		Sample Port 3B
7.0		Sample Port 6B
7.4		Sample Port 7

Notes: NS = Not Sampled
Readings flagged with a U qualifier indicate the analyte was not detected. Routine site visit. System operating within normal parameters.
Routine site visit. Relay in solar panel not functioning. Re-wired and reprogrammed the relay.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 7/18/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny, 85 degrees		
READING		*ITEM*
222.5		Carbon Dioxide Storage Tank Pressure (220-235 psi)
5,250		Carbon Dioxide Tank Liquid Level
2.1		T1 Water Level (2.0 – 3.0)
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
6.48		T3 pH Reading (6 – 8)
616.4		T3A Water Elevation (616.5)
2.0		T3B Water Level (1.9 – 2.2)
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
2.1		T5 Water Level (2.0 – 3.5)
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation (616.5)
2.2		T6B Water Level (1.8 – 2.4)
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
615.7		T7 Water Level Reading (615.7)
OFF		Pump 7 Operational Status
3,063,261		Flow Meter Reading
READING	*Standard*	*LOCATION/PARAMETER*
0.088 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.107 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.4		Sample Port 3B
6.9		Sample Port 6B
7.1		Sample Port 7
Routine site visit. CO_2 deliveries on 7/5/06 and 7/19/06.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 8/3/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Hot, 90 degrees, sunny		
READING		*ITEM*
222.5		Carbon Dioxide Storage Tank Pressure (220-235 psi)
5,000		Carbon Dioxide Tank Liquid Level
2.0		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
6.66		T3 pH Reading
616.4		T3A Water Elevation
2.1		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
2.3		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
1.9		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
615.8		T7 Water Level Reading
OFF		Pump 7 Operational Status
3,157,182 (4 GPM since last visit, reset average)		Flow Meter Reading
READING	*Standard*	*LOCATION/PARAMETER*
0.100 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.105 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.7		Sample Port 3B
6.9		Sample Port 6B
7.2		Sample Port 7

Normal Operations. PRC1000 relay replaced and original relay returned to manufacturer for assessment. Collected 3 Q effluent sample. Collected TCLP sample for sediment in SW corner for disposal characterization. Fixed broken discharge pipe of iron bed. NALCO on-site to jar test for Ca and Fe removal. BOC personnel onsite to install transmitter on CO_2 storage tank. Wired transmitter to the existing PLC and connected it to the SCADA system. Bloom's landscaping onsite to assess actions for fall clean-up of deciduous vegetation. CO_2 filled on 8/5/06.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 8/29/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod/Steve Bazilus
Weather: Raining, 70 degrees		
READING		*ITEM*
22.2.5		Carbon Dioxide Storage Tank Pressure (220-235 psi)
9,385		Carbon Dioxide Tank Liquid Level
2.9		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
7.0		T3 pH Reading
616.5		T3A Water Elevation
2.2		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
2.7		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
2.0		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
615.9		T7 Water Level Reading
OFF		Pump 7 Operational Status
3,240,110		Flow Meter Reading
3 gpm (reset 9/2/06)		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.112 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.125 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		
7.6		Sample Port 3B
7.6		Sample Port 6B
7.0		Sample Port 7
CO_2 filled on 8/23/06. Routine visit. Cleaned and calibrated pH probe. Completed shed insulation. Adjusted CO_2 flow rate. Removed aerators from T6. New Parts ordered. Cleaned CO_2 tube diffuser in T6.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 9/16/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Overcast, 70 degrees		
READING		*ITEM*
227.50		Carbon Dioxide Storage Tank Pressure (220-235 psi)
9,544		Carbon Dioxide Tank Liquid Level
2.4		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
6.29		T3 pH Reading
616.5		T3A Water Elevation
2.1		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
2.8		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
1.7		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
616.0		T7 Water Level Reading
OFF		Pump 7 Operational Status
3,319,253		Flow Meter Reading
3 gpm (Reset @ 11 AM)		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.84 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.82 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
7.0		Sample Port 3B
7.2		Sample Port 6B
7.5		Sample Port 7
CO_2 filled on 9/9/06. Routine visit. Cleaned CO_2 tube diffuser in T6. Attempted to re-install diffusers in T6. Special tool required for diffuser head. Tool ordered.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 9/27/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny, Windy, 65 degrees		
READING		*ITEM*
227.50		Carbon Dioxide Storage Tank Pressure (220-235 psi)
4,550		Carbon Dioxide Tank Liquid Level
2.0		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
6.4		T3 pH Reading
616.5		T3A Water Elevation
2.2		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
2.6		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
1.8		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
615.8		T7 Water Level Reading
OFF		Pump 7 Operational Status
3,378,962		Flow Meter Reading
3.3 gpm (Reset @ 12 PM)		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.105 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.091mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
0.004 mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0.007 mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.9		Sample Port 3B
7.2		Sample Port 6B
7.5		Sample Port 7
Routine visit. Cleaned CO_2 tube diffuser in T6. Removed vegetation from Wetland effluent pipe to clear the obstruction.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 10/10/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod/Steve Bazilus
Weather: Rain, 45 degrees		
READING		*ITEM*
222.50		Carbon Dioxide Storage Tank Pressure (220-235 psi)
7,000		Carbon Dioxide Tank Liquid Level
2.0		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
6.5		T3 pH Reading
616.5		T3A Water Elevation
2.1		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
3.3		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
1.8		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
615.9		T7 Water Level Reading
OFF		Pump 7 Operational Status
3,459,790		Flow Meter Reading
5.6 gpm (Reset @ 12 PM)		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.073 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.055mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
0.006 mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0.014 mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.7		Sample Port 3B
6.6		Sample Port 6B
7.1		Sample Port 7
CO_2 filled on 9/29/06. Reinstalled aeration equipment in T6A. Adjusted CO_2 flowrate. Collected quarterly discharge samples and bi-annual monitoring well samples. System was down for 27 hours due to sediment removal in the southwest corner which severed the electrical and control wiring to P1A and P1B. Calibrated pH meter.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 10/25/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Cloudy, 55 degrees		
READING		*ITEM*
220		Carbon Dioxide Storage Tank Pressure (220-235 psi)
7,800		Carbon Dioxide Tank Liquid Level
2.0		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
6.4		T3 pH Reading
616.5		T3A Water Elevation
2.3		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
3.1		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
2.0		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
615.8		T7 Water Level Reading
OFF		Pump 7 Operational Status
3,601,975		Flow Meter Reading
6.5 gpm (Reset @ 1:30 PM)		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.133 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.132 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
0.002 mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0.004 mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.7		Sample Port 3B
6.6		Sample Port 6B
7.1		Sample Port 7
CO_2 filled on 10/16/06. Calibrated pH meter. Reconnected T3A pressure transducer wiring. Removed and reinstalled T3B pressure transducer. Collected surface water samples from southwest corner.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 11/14/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Overcast, 45 degrees		
READING		*ITEM*
220		Carbon Dioxide Storage Tank Pressure (220-235 psi)
No Reading (Called BOC to Repair)		Carbon Dioxide Tank Liquid Level
2.0		T1 Water Level
OFF (Repaired – Thermal was tripped)		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
7.9 (Actual was 6.3 – pH meter replaced)		T3 pH Reading
616.5		T3A Water Elevation
1.8		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
3.1		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
2.0		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
615.8		T7 Water Level Reading
OFF		Pump 7 Operational Status
3,764,277		Flow Meter Reading
5.7 gpm (Reset @ 07:30 AM)		Average System Flow
READING	*READING*	*LOCATION/PARAMETER*
0.140 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.134 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
0.002 mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0.006 mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*pH READING*
6.3		Sample Port 3B
6.6		Sample Port 6B
6.7		Sample Port 7
CO_2 filled on 11/1/06 and 11/13/06. Installed new pH meter. Calibrated pH meter. Reset thermal overload on P1A. Performed routine sampling.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 11/27/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Cloudy, 50 Degrees		

READING	*ITEM*
220	Carbon Dioxide Storage Tank Pressure (220-235 psi)
10,365	Carbon Dioxide Tank Liquid Level
2.2	T1 Water Level
AUTO/CYCLING	Pump P1A Running Status ON/OFF
AUTO/CYCLING	Pump P1BA Running Status ON/OFF
6.2	T3 pH Reading
616.59	T3A Water Elevation
1.8	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
2.8	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
616.5	T6A Water Elevation
2.0	T6B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
616.1	T7 Water Level Reading
OFF	Pump 7 Operational Status
3,879,790	Flow Meter Reading
6.2 gpm (Reset @ 08:00 AM)	Average System Flow

READING	*Standard*	*LOCATION/PARAMETER*
0.155 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.141 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
7.1	Sample Port 3B
6.8	Sample Port 6B
6.9	Sample Port 7

CO_2 filled on 11/25/06 and 12/12/06. Calibrated pH meter. Performed routine sampling

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 12/13/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Cloudy, 45 degrees, Windy		
READING		*ITEM*
11,305		Carbon Dioxide Storage Tank Pressure (220-235 psi)
225		Carbon Dioxide Tank Liquid Level
2.3		T1 Water Level
OFF		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
6.3 (Output fixed until probe is fixed)		T3 pH Reading
616.5		T3A Water Elevation
1.9		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
2.5		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
2.1		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
616.3		T7 Water Level Reading
OFF		Pump 7 Operational Status
4,170,957		Flow Meter Reading
12.52 gpm (Reset @ 11:50 AM)		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.186 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.195 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.8		Sample Port 3B
7.0		Sample Port 6B
7.3		Sample Port 7

CO_2 filled on 12/04/06 and 12/12/06. Performed routine sampling. Pumped water out of new pond and T7. Opened T7 valve to allow water to gravity feed to the SW corner due to high level in T7. Increased CO_2 flow rate to lower pH. Spoke with manufacturer's field representative about the pH probe problem. pH probe is not designed for current use. New probe ordered. Will modify the installation to meet the manufacturer's requirements. Met with NALCO representative to get the chemical feed system for iron settling ordered.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 12/18/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Cloudy, 45 degrees, Windy		

READING	*ITEM*
7,554	Carbon Dioxide Storage Tank Pressure (220-235 psi)
227.5	Carbon Dioxide Tank Liquid Level
2.6	T1 Water Level
AUTO/CYCLING	Pump P1A Running Status ON/OFF
AUTO/CYCLING	Pump P1BA Running Status ON/OFF
6.3 (Output fixed until probe is fixed) 6.9 Actual	T3 pH Reading
616.5	T3A Water Elevation
2.0	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
610.2 (Switched to msl)	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
616.5	T6A Water Elevation
1.9	T6B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
615.9	T7 Water Level Reading
OFF	Pump 7 Operational Status
4,229,193	Flow Meter Reading
8.1 gpm (Reset @ 11:45 AM)	Average System Flow

READING	*Standard*	*LOCATION/PARAMETER*
0.151 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.217 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
6.9	Sample Port 3B
6.9	Sample Port 6B
7.2	Sample Port 7

Emergency site visit to repair/replace P5. P5 and the check valve were removed, cleaned and replaced. No other system modifications and maintenance items were performed. Ordered two new Hydromatic pumps for inventory and the new diversion pond. Ordered the metering pump for polymer injection.