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

Prepared for

The BOC Group, Inc.
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Prepared by

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July 2006
Revision: 0
Project No.: 150C265.1005

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Wappingers Falls, NY 12590

11 July 2006

Mr. Michael Resh
Manager of Environmental Remediation
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 January 2006 through 30 June 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 first bi-annual 2006 groundwater monitoring event that was completed at this site in April 2006, and to summarize operations and maintenance activities completed from January through June 2006.

OBJECTIVES

In accordance with the revised Post-Closure Monitoring and Facility Maintenance Plan (EA 2004)[1] for this site, environmental monitoring points were installed, and will be maintained and sampled during the post-closure monitoring period. Environmental media which require sampling includes groundwater, surface water, and groundwater collection treatment system (GCTS) samples. The Post-Closure Monitoring and Facility Maintenance Plan specifies the sampling locations, sampling parameters and methods, in addition to other required maintenance activities, including landfill cap inspections and the operations and maintenance plan for the GCTS.

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

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

1. EA Engineering, P.C. and its Affiliate EA Science and Technology. 2005. Post-Closure Monitoring and Facility Maintenance Plan for the Airco Parcel, Niagara Falls, New York. February.

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

- 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 sampling and analytical results.

The bi-annual sampling events are summarized in a letter report detailing the findings of the environmental sampling. This letter report summarizes the findings of the fifth bi-annual post-closure monitoring event completed at this site, along with a summary of operation and maintenance activities performed at the this site from January through June 2006. Monitoring event letter reports are limited to documenting the results of each sampling round. 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 is scheduled to be 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 Parcel 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)[2]. During construction of the capping system a relief pipe system was installed to allow perched water to exit from under the cap. 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, and elevated hexavalent chromium (Cr^{6+}) concentrations and pH in groundwater, upon mixing with surface water, remained in excess of the ambient water quality standards.

The GCTS was designed to implement additional remedial actions, which were 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 24 April 2006. The depth to water ranged from 3.14 ft below top of casing at MW-6B to 13.77 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	10.41	617.77	607.36
MW-2B	13.77	615.88	602.11
MW-3B	8.17	611.22	603.05
MW-4B	5.69	606.68	600.99
MW-5B	4.85	605.48	600.63
MW-6B	3.14	603.47	600.33
MW-7B	8.62	609.48	600.86
MW-8B	5.83	611.62	605.79

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

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

2. 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 during the period 25-26 April 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. Groundwater at these wells was fully evacuated 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 allowing water quality readings allowed to stabilize prior to sample collection. 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.

The approved revised Post-Closure Monitoring and Facility Maintenance Plan (EA 2004) specify that the sampling results are 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 and is considered to be highly conservative for this area which has no groundwater users nearby. 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 for March, April, and June 2006 are provided in Attachment C. Laboratory Form I analytical results for April 2006 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. The system was off-line at the time off sampling for system upgrades. Notable results included the following:

- Chromium was detected in groundwater samples at concentrations in excess of NYSDEC AWQS in monitoring wells MW-2B, MW-4B, MW-7B and MW-8B at concentration ranging from 0.09 mg/L to 0.48 mg/L.

- Hexavalent chromium was detected in groundwater samples at concentrations in excess of NYSDEC AWQS in monitoring well MW-2B at a concentration of 0.416 mg/L. This upgradient well has consistently shown similar concentrations in previously collected data.

- Iron was detected in groundwater samples at concentrations in excess of NYSDEC AWQS in monitoring wells MW-4B, MW-5B, MW-7B and MW-8B at concentration ranging from 0.49 mg/L to 7.7 mg/L.

- Magnesium was detected in groundwater samples at concentrations in excess of NYSDEC AWQS in monitoring wells MW-1B, MW-4B, MW-5B, MW-6B and MW-8B at concentration ranging from 43.3 mg/L to 85.6 mg/L.

- Manganese was detected in groundwater samples at concentrations in excess of NYSDEC AWQS in monitoring well MW-1B at a concentration of 0.76 mg/L.

- Selenium was detected in groundwater samples at concentrations in excess of NYSDEC AWQS in monitoring well MW-8B at a concentration of 0.071 mg/L.

- Sodium was detected in groundwater samples at concentrations in excess of NYSDEC AWQS in each off the monitoring wells at concentration ranging from 53.5 mg/L to 147 mg/L.

- Hexavalent chromium was detected in surface water samples at concentrations in excess of NYSDEC AWQS in SS-1 at a concentration of 0.059 mg/L. The system was off-line at the time this sample was collected.

- Iron was detected in surface water samples at concentrations in excess of NYSDEC AWQS in SS-1 at a concentration of 0.0.48 mg/L.

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 groundwater samples at concentrations in excess of NYSDEC AWQS in monitoring well MW-1B at a concentration of 264 mg/L.

- pH measurements exceeded the NYSDEC AWQS of 6.5-8.5 standard pH units in monitoring wells MW-2B (12.34-12.58) and MW-3B (9.93-10.46), (See Attachment B).

LANDFILL INSPECTION

A landfill cap inspections were conducted on 15 March and 9 June 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 in good condition, with some vegetation observed growing in many areas of the road. A defoliant will be used to remove the vegetation in the roadways in October 2006. Drainage swales are clear with the exception of the southwest swale where soils and vegetation have covered the stone swale. The inspections suggest that the soil should be removed and new stone installed.

GCTS OPERATIONS AND MAINTENANCE MONITORING ACTIVITIES

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 revised Post-Closure Monitoring and Facility Maintenance Plan (EA 2005).

System Operations and Maintenance

The GCTS was operated throughout the 6-month period. Greenstar took over system operation from the previous consultant in November 2005. At the time of transition, the system was not operational, nor could it remain operational for any extended period of time due to multiple electrical and mechanical problems. Greenstar personnel identified and repaired mechanical and electrical issues. Attachment G provides details of the problems encountered, and the implemented solutions.

During the report period, the GCTS operated for 4,131 hours (95 percent) and with an average flow rate of 9.9 gpm. The GCTS sampling occurred bi-weekly during the operation period. In the few cases when the system was off-line upon arriving at the site for bi-weekly inspections, no sampling was performed as it would not have been representative of remedial conditions. In this case, sampling was completed at the next scheduled bi-weekly sampling interval. Samples were collected to evaluate treatment system performance and compliance with discharge criteria. Samples were typically collected prior to (Sediment Pond A) and after treatment via the zero valence iron tank (Sediment Pond B), and after the engineered wetland (EFF7) 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 by Severn Trent Laboratories, Buffalo, New York.

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. Removal rates for hexavalent chromium and total chromium fluctuated in January and the system was switched to the reserve bed of iron. For the period 1 February – 30 June 2006, removal rates were 100 percent for both hexavalent and total chromium. Total suspended solids, iron and selenium analytical results were above NYSDEC discharge criteria for the first quarterly discharge sample. Iron analytical results (0.635 mg/L) were above NYSDEC discharge criteria (0.300 mg/L) for the second quarterly discharge sample. The full set of laboratory analytical data for the GCTS discharge sampling are provided in Attachment F.

GCTS Modifications (January–June 2006)

GCTS modifications performed during this reporting period are as follows:

- Upgrades to the pump station in the southwest corner by installing a second pump controls to increase system reliability. This included new piping, check valves and isolation valves.

- Excavation and removal of the sump in the SW corner which was used as a sediment trap to eliminate the potential for overland flow off-site.

- Draining of both ponds to facilitate cleaning. Repairs after cleaning included replacement of the pond diffusers, addition of 2 new baffles to improve settling efficiency, and repairs to the existing baffles.

- Excavation of the spent iron from the 4 tanks, re-piping of the distribution piping in the tanks, and replacement of 24 tons of new zero valiance iron.

- Excavation and relocation of the Sediment Pond A influent line to discharge directly into the deep end of Pond A.

- Installation of three 480V submersible pumps in the shallow ends of Pond A & B, and in T4 (the iron discharge collection sump) with new pressure transducers and programming so pump operations can be integrated into the PLC and SCADA system.

- Relocation of the variable frequency drive from the control panel to the new control equipment shed to eliminate interference with the level controls.

- Installation of the solar panel high speed internet connection and PC running Iconics SCADA software to facilitate system management from Greenstar's corporate office.

Attachment G summarizes monthly operation and maintenance details for the period January through June 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 JANUARY THROUGH 30 JUNE 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
1/5/06	104 µg/L	102 µg/L	NS	NS	9 µg/L	8 µg/L
1/16/06(1)	240 µg/L	210 µg/L	NS	NS	11 µg/L	<0.01 µg/L
2/1/06(2)	NS	180 µg/L	NS	NS	NS	**121 µg/L**
2/7/06	160 µg/L	158 µg/L	<0.006U µg/L	<0.003U µg/L	<0.006U µg/L	<0.003U µg/L
2/10/06	223 µg/L	168 µg/L	NS	NS	<0.006U µg/L	<0.003U µg/L
3/6/06	263 µg/L	217 µg/L	<0.006U µg/L	<0.003U µg/L	<0.006U µg/L	<0.003U µg/L
3/15/06(3)	NS	NS	NS	NS	NS	NS
4/13/06	224 µg/L	214 µg/L	<0.006U µg/L	<0.003U µg/L	<0.006U µg/L	<0.003U µg/L
4/24/06(4)	NS	NS	NS	NS	NS	NS
5/10/06(5)	NS	NS	NS	NS	0.0 µg/L	0.0 µg/L
5/23/06	171 µg/L	161 µg/L	<0.006U µg/L	0.010 µg/L	<0.006U µg/L	<0.003U µg/L
6/9606	188 µg/L	175 µg/L	<0.006U µg/L	<0.003U µg/L	0.010 µg/L	<0.006 µg/L
6/19/06	191 µg/L	188 µg/L	<0.006U µg/L	<0.003U µg/L	0.010 µg/L	<0.006 µg/L

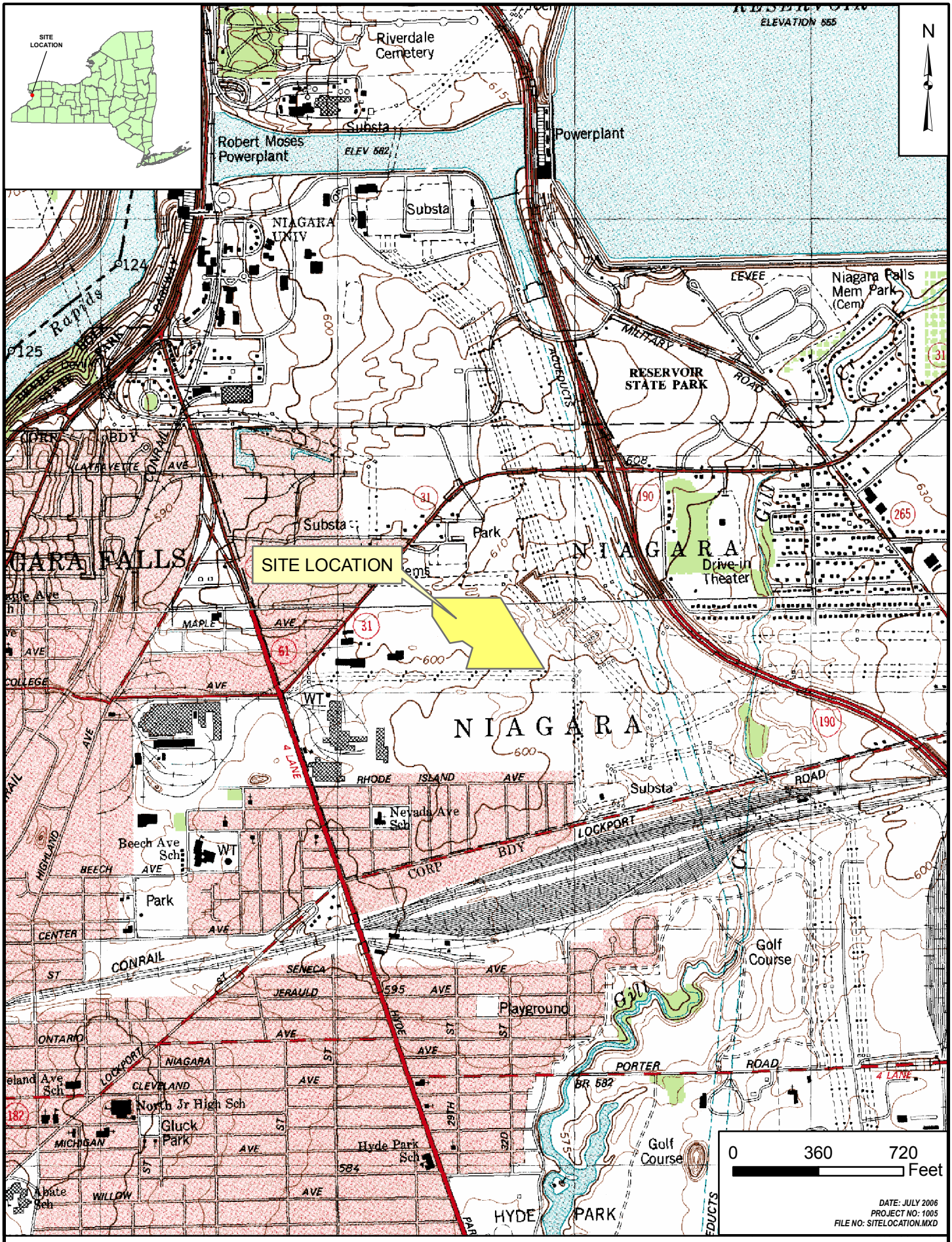
(1) HACH DR4000® Spectrophotometer would not work due to low temperature conditions. Influent and Effluent samples sent to Life Science Laboratory for analysis.
(2) Zero Valence Iron break through, switched to reserve beds.
(3) System off-line due to P4A pump failure. Repaired and restarted. No field sampling performed.
(4) System shut down for routine O&M and system upgrades. No field sampling performed.
(5) System off-line due to multiple pump failures. No field sampling performed.

NOTE: NS = Not Sampled
Results in bold are in excess of the discharge limit.
Unless otherwise noted, field samples analyzed using a HACH DR4000® Spectrophotometer.
Methods 8023 for Hexavalent Chromium and Method 8084 for Total Chromium.

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

Parameter	6 March 2006	9 June 2006	New York State Department of Environmental Conservation Discharge Criteria
pH	6.84	7.16	6-8 NTU
Total suspended solids	**19.0**	<10U	10 mg/L
Ammonia as N	<18.4U	<9.2U	9.2 mg/L
Total Kjeldahl nitrogen	6.5 mg/L	<1.0U 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	**9.99**	**0.635**	0.3 mg/L
Selenium	**.0094**	<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	1,330 mg/L	768 mg/L	Monitor

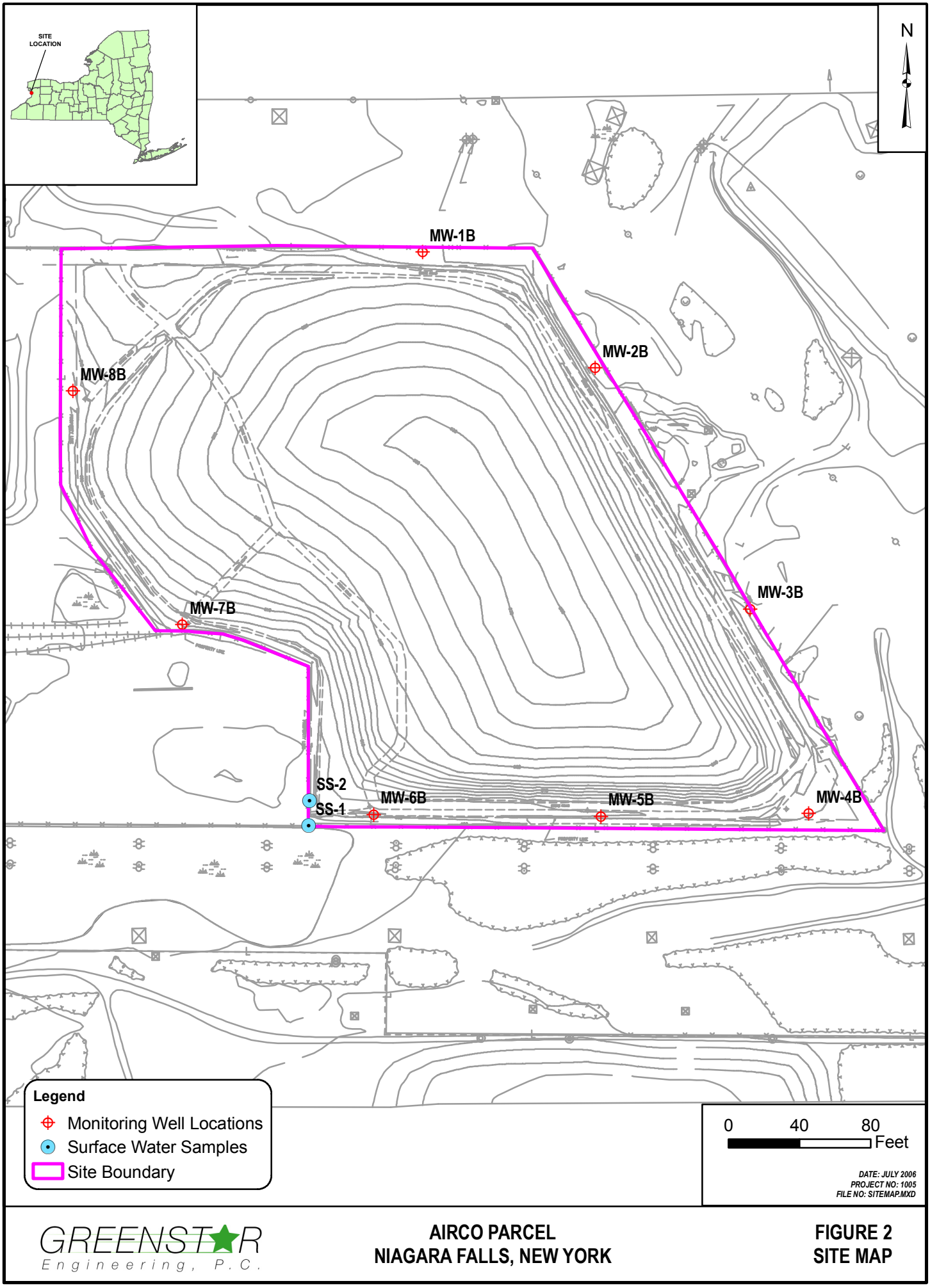
NOTE: NTU = Nephelometric Turbidity Units.
Values in bold indicate an excess of discharge criteria.
Values with U designations were not detected at the specified detection limit.



GREENSTAR Engineering, P.C.

AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 1
SITE LOCATION



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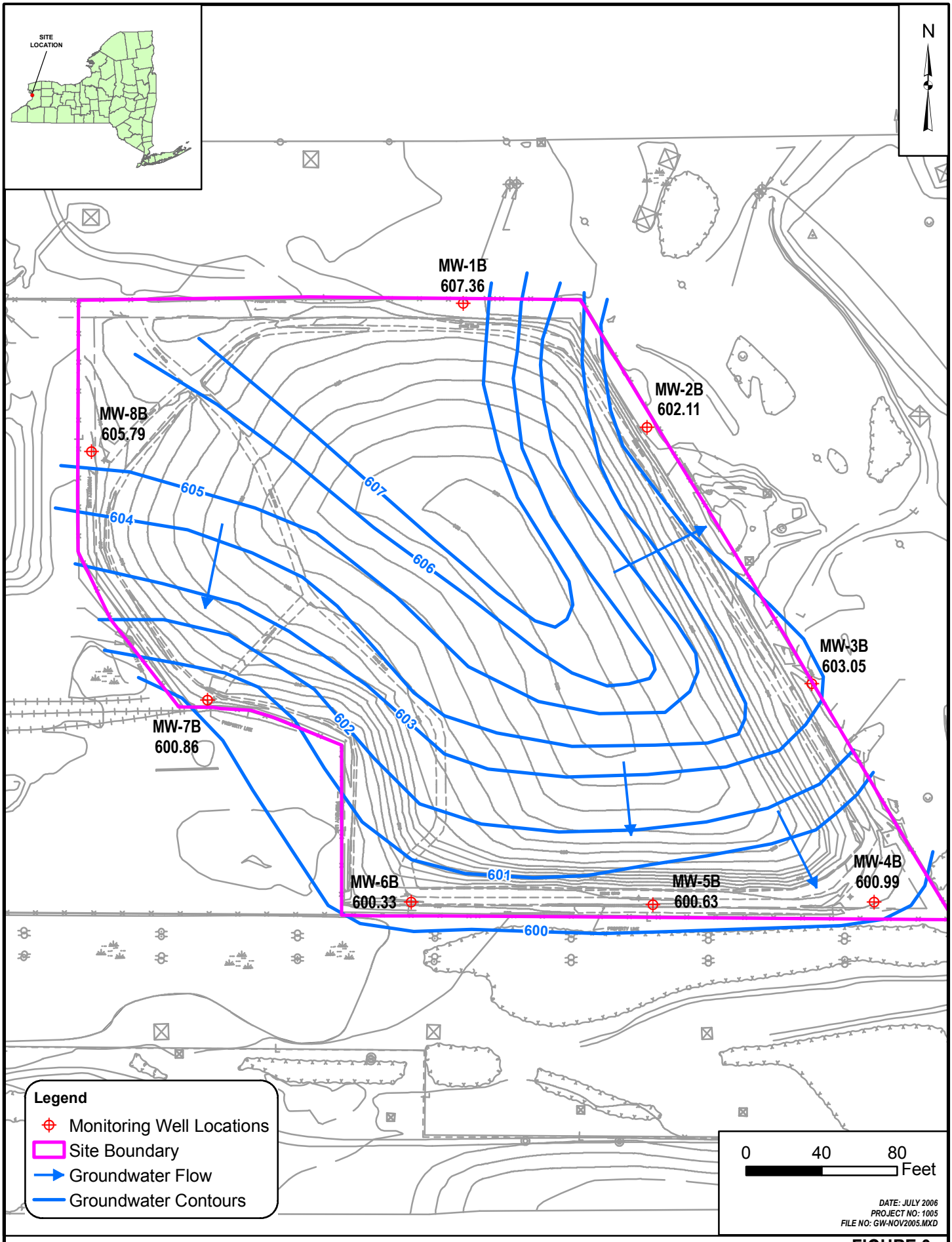
AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 2
SITE MAP



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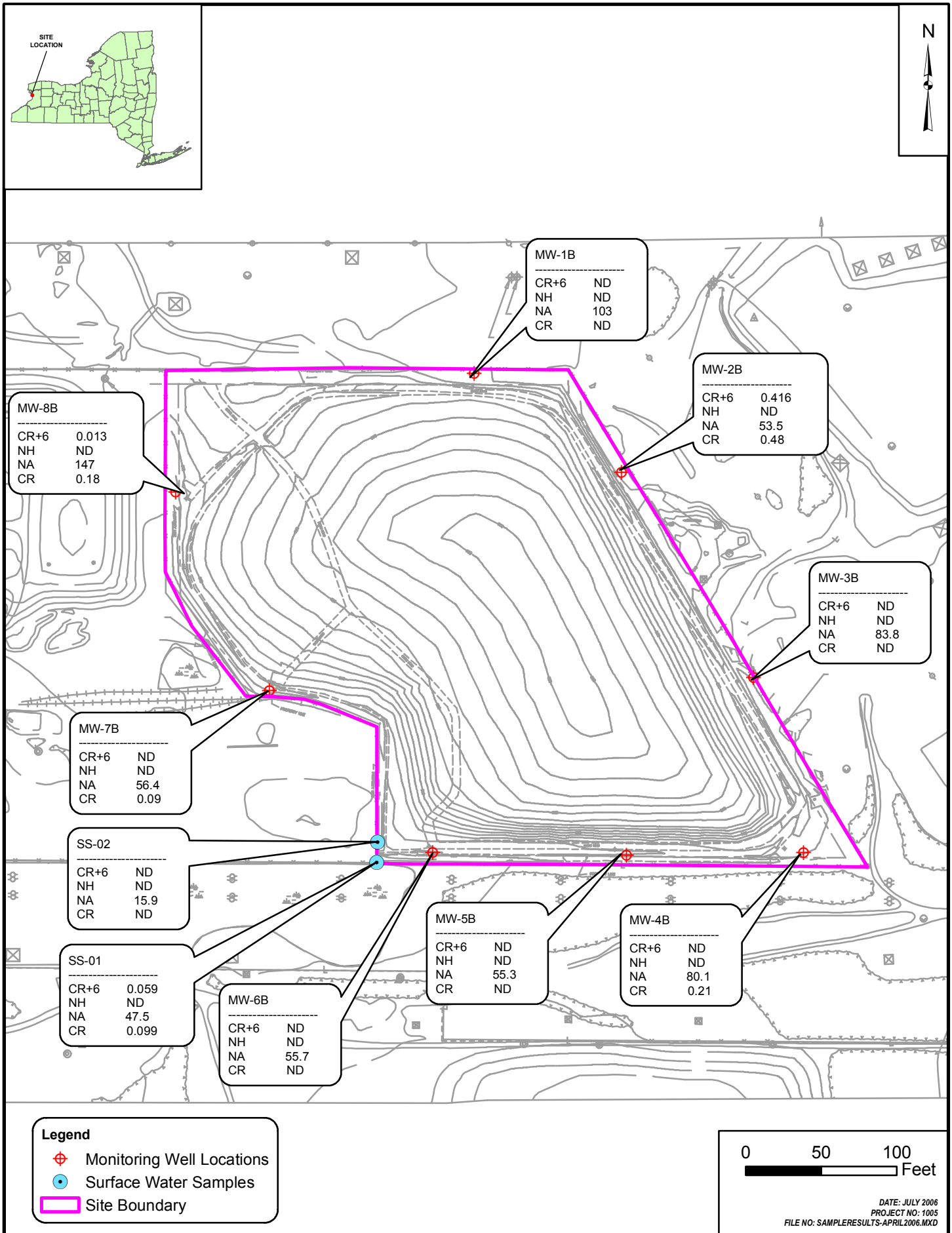
AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 3
GROUNDWATER CONTOURS
25-26 APRIL 2006



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AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 4
SAMPLE RESULTS
25-26 APRIL 2006

Attachment A

Summary of Analytical Results for Groundwater and Surface Water Samples April 2006

ATTACHMENT A
SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER AND SURFACE WATER SAMPLES
COLLECTED IN APRIL 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**									
Cadmium	0.005	(<0.001U)	(<0.001U)	(<0.001U)	(<0.001U)	(<0.001U)	0.0018	(<0.001U)	0.0027	(<0.001U)
Chromium	0.05	(<0.004U)	**0.48**	**0.48**	(<0.004U)	**0.21**	(<0.004U)	(<0.004U)	**0.09**	**0.18**
Chromium, Hexavalent	0.05	(<0.011U)	**0.416**	**0.35**	(<0.011U)	(<0.011U)	(<0.011U)	(<0.011U)	(<0.011U)	0.013
Iron	0.3	0.24	0.16	**0.47**	(<0.05U)	**1.2**	**0.77**	0.23	**7.7**	**0.49**
Magnesium	35*	**65.9**	(<0.2U)	0.24	0.69	**43.3**	**72.6**	**85.6**	11.9	**50.3**
Manganese	0.3	**0.76**	0.0075	0.0095	(<0.003U)	0.024	0.039	0.15	0.14	0.048
Selenium	0.01	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	**0.071**
Sodium	20	**103**	**53.5**	**61.9**	**83.8**	**80.1**	**55.3**	**55.7**	**56.4**	**147**
Zinc	2*	0.48	(<0.01U)	(<0.01U)	(<0.01U)	0.024	0.057	(<0.01U)	0.04	0.028

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)	(<0.008U)	**0.01**	(<0.008U)	(<0.008U)	(<0.008U)	(<0.008U)	(<0.008U)	(<0.008U)
Silica	---	6.95	(<5U)	1.03B	9.16	6.81	8.09	5.92	7.11	7.49
Sulfate	250	**264**	17	17.4	116	146	154	246	39.6	(<2U)

Surface Water

Baseline Metals by EPA Method 200.7 (mg/L)

Total (Unfiltered)

		SS-01	SS-02
Analyte	**AWQS**		
Cadmium	---	(<0.001U)	(<0.001U)
Chromium	---	0.099	(<0.004U)
Chromium, Hexavalent	0.016	**0.059**	(<0.011U)
Iron	0.3	**0.48**	0.14
Magnesium	---	4.2	25.5
Manganese	---	0.017	0.018
Selenium	0.0046	(<0.015U)	(<0.015U)
Sodium	---	47.5	15.9
Zinc	---	(<0.01U)	(<0.01U)

Water Quality Parameters (mg/L)

		SS-01	SS-02
Analyte	**AWQS**		
Phenolics	---	0.029	0.008
Silica	---	(<5U)	2.93B
Sulfate	---	16.6	75.3

QA/QC

Baseline Metals by EPA Method 200.7 (mg/L)
Total (Unfiltered)

		Rinse Blank	Source Water Blank
Analyte	**AWQS**		
Cadmium	---	(<0.001U)	(<0.001U)
Chromium	---	(<0.004U)	(<0.004U)
Chromium, Hexavalent	---	(<0.011U)	(<0.011U)
Iron	---	(<0.05U)	(<0.05U)
Magnesium	---	2.4	2.5
Manganese	---	(<0.003U)	(<0.003U)
Selenium	---	(<0.015U)	(<0.015U)
Sodium	---	3.6	3.7
Zinc	---	(<0.01U)	(<0.01U)

Water Quality Parameters (mg/L)

		Rinse Blank	Source Water Blank
Analyte	**AWQS**		
Phenolics	---	(<0.008U)	(<0.008U)
Silica	---	4.24	4.19B
Sulfate	---	11	10.8

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
April 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:** Cool, 45 degrees
Sounding Method: WLI	**Gauge Date:** 4/24/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:**	**Well Diameter (in):** 2"

Purge Date: 4/25/2006	**Purge Time:** 13:50
Purge Method: Peristaltic Pump	**Greenstar Personnel:** Steve Bazilus

Well Volume

A. Well Depth (ft): 27.83	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 10.41	**E. Well Volume (gal) C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 17.42	**F. Five Well Volumes (gal) (E3):**	**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)
1350	10.40	0	0.25	7.04	91	9.90	1.70	3.87	120
1354	11.37	1	0.25	7.05	75	10.00	1.70	2.24	120
1358	11.28	2	0.25	6.93	79	10.00	1.70	1.91	120
1402	11.16	3	0.25	6.86	80	9.90	1.70	1.61	2
1406	11.12	4	0.25	6.84	77	9.80	1.80	1.53	0
1410	11.11	5	0.25	6.86	79	9.80	1.80	1.87	0
1414	11.12	6	0.25	6.87	80	9.80	1.80	1.94	0
1418	11.12	7	0.25	6.88	80	9.80	1.80	1.89	0

Total Quantity of Water Removed:	7 liters	**Sampling Time:**	14:22
Samplers:	Steve Bazilus	**Split Sample With:**	
Sampling Date:	25-Apr-06	**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:** Cool, 45 degrees
Sounding Method: WLI	**Gauge Date:** 4/24/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:**	**Well Diameter (in):** 2"

Purge Date:	4/25/2006	**Purge Time:**	14:45
Purge Method:	Peristaltic Pump	**Greenstar Personnel:**	Steve Bazilus

Well Volume

A. Well Depth (ft): 27.31	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 13.77	**E. Well Volume (gal) C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 13.54	**F. Five Well Volumes (gal) (E3):**	**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)
1458	12.89	0	0.25	12.46	-20	8.3	4.0	7.09	63
1502	18.63	1	0.25	12.34	-17	9.1	4.0	6.06	120
1506	19.77	2	0.25	12.51	-25	9.4	4.0	5.28	46
1510	20.75	3	0.25	12.53	-27	9.5	4.0	5.09	43
1514	21.38	4	0.25	12.54	-28	9.6	4.1	4.86	40
1518	22.71	5	0.25	12.57	-30	9.7	4.1	4.73	34
1522	21.84	6	0.25	12.57	-30	9.4	4.1	5.09	41
1526	21.92	7	0.25	12.58	-29	9.4	4.1	5.21	40

Total Quantity of Water Removed: 7 liters
Samplers: Steve Bazilus
Sampling Date: 25-Apr-06
Sampling Time: 15:28
Split Sample With:
Sample Type: GRAB

COMMENTS AND OBSERVATIONS: AP-DUP-01 Collected

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:** Cool, 45 degrees
Sounding Method: WLI	**Gauge Date:** 4/24/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:**	**Well Diameter (in):** 2"

Purge Date:	4/25/2006	**Purge Time:**	16:00
Purge Method:	Peristaltic Pump	**Greenstar Personnel:**	Steve Bazilus

Well Volume

A. Well Depth (ft): 18.41	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 8.17	**E. Well Volume (gal) C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 10.24	**F. Five Well Volumes (gal) (E3):**	**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)
1600	8.17	0	0.25	10.46	110	8.8	0.55	9.05	3
1604	10.22	1	0.25	9.97	113	8.8	0.54	5.51	5
1608	10.71	2	0.25	9.93	115	8.8	0.54	5.09	6
1612	10.99	3	0.25	9.93	114	8.7	0.54	4.91	6
1616	11.28	4	0.25	9.93	113	8.6	0.54	4.65	9
1620	11.29	5	0.25	9.95	111	8.7	0.53	4.33	9

Total Quantity of Water Removed: 5 liters
Samplers: Steve Bazilus
Sampling Date: 25-Apr-06
Sampling Time: 16:22
Split Sample With:
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:** Cool, 45 degrees
Sounding Method: WLI	**Gauge Date:** 4/24/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:**	**Well Diameter (in):** 2"

Purge Date: 4/25/2006	**Purge Time:** 925
Purge Method: Hand Bail	**Greenstar Personnel:** Steve Bazilus

Well Volume

A. Well Depth (ft): 15.08	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 5.69	**E. Well Volume (gal) C*D):**	**Pump Type:** Dedicated hand bailer
C. Liquid Depth (ft) (A-B): 9.39	**F. Five Well Volumes (gal) (E3):**	**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)
935	5.97	0	N/a	7.32	2.14	6.70	1	10.04	5
945	11.27	~7	N/a	7.77	2.17	7.3	1	9.94	>1,000
928	6.09		N/a	7.54	255	9.4	0.86	9.12	65

Total Quantity of Water Removed:
Samplers: Steve Bazilus
Sampling Date: 26-Apr-06
Sampling Time: 9:30
Split Sample With:
Sample Type: GRAB

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

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:** Cool, 45 degrees
Sounding Method: WLI	**Gauge Date:** 4/24/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:**	**Well Diameter (in):** 2"

Purge Date: 4/25/2006	**Purge Time:** 1035
Purge Method: Hand Bail	**Greenstar Personnel:** Steve Bazilus

Well Volume

A. Well Depth (ft): 14.22	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 4.85	**E. Well Volume (gal) C*D):**	**Pump Type:** Dedicated hand bailer
C. Liquid Depth (ft) (A-B): 9.37	**F. Five Well Volumes (gal) (E3):**	**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)
1035		0	N/a	7.23	258	7.6	1.20	5.75	13
1045		~7	N/a	6.96	262	7.2	0.99	10.57	>1,000
9.54			N/a	7.42	237	10.9	1.2	9.54	53

Total Quantity of Water Removed:
Samplers: Steve Bazilus
Sampling Date: 26-Apr-06
Sampling Time: 1000
Split Sample With:
Sample Type: GRAB

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

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW6B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Cool, 45 degrees
Sounding Method: WLI	**Gauge Date:** 4/24/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:**	**Well Diameter (in):** 2"

Purge Date:	4/26/2006	**Purge Time:**	730
Purge Method:	Peristaltic Pump	**Greenstar Personnel:**	Steve Bazilus

Well Volume

A. Well Depth (ft): 23.02	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 3.14	**E. Well Volume (gal) C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 19.88	**F. Five Well Volumes (gal) (E3):**	**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)
730	3.17	0	0.25	7.12	78	8.4	1.30	4.23	350
734	6.02	1	0.25	6.95	83	8.4	1.3	3.15	360
738	7.91	2	0.25	7.02	72	8.5	1.3	2.45	358
742	9.81	3	0.25	7.02	71	8.7	1.3	2.00	370
746	9.94	4	0.25	7.08	69	8.6	1.3	1.87	380
750	10.82	5	0.25	7.17	62	8.8	1.3	1.74	390
754	12.44	6	0.25	7.22	56	9.1	1.3	1.54	250
758	13.02	7	0.25	7.25	55	9.1	1.3	1.53	250
802	12.87	8	0.25	7.25	53	9.1	1.3	1.57	250

Total Quantity of Water Removed:	8 liters	**Sampling Time:**	8:05
Samplers:	Steve Bazilus	**Split Sample With:**	
Sampling Date:	26-Apr-06	**Sample Type:**	GRAB

COMMENTS AND OBSERVATIONS:

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW7B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Cool, 45 degrees
Sounding Method: WLI	**Gauge Date:** 4/24/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:**	**Well Diameter (in):** 2"

Purge Date: 4/25/2006	**Purge Time:** 1105
Purge Method: Hand Bail	**Greenstar Personnel:** Steve Bazilus

Well Volume

A. Well Depth (ft): 21.79	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 8.62	**E. Well Volume (gal) C*D):**	**Pump Type:** Dedicated hand bailer
C. Liquid Depth (ft) (A-B): 13.17	**F. Five Well Volumes (gal) (E3):**	**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)
1105			N/a	6.98	167	7.4	0.40	5.50	27
1125			N/a	8.14	177	8.0	0.35	6.99	>1,000
1015			N/a	8.38	189	10.2	0.36	5.69	230

Total Quantity of Water Removed: 9 liters
Samplers: Steve Bazilus
Sampling Date: 26-Apr-06
Sampling Time: 10:20
Split Sample With:
Sample Type: GRAB

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

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW8B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Cool, 45 degrees
Sounding Method: WLI	**Gauge Date:** 4/24/2006	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:**	**Well Diameter (in):** 2"

Purge Date:	4/26/2006	**Purge Time:**	832
Purge Method:	Peristaltic Pump	**Greenstar Personnel:**	Steve Bazilus

Well Volume

A. Well Depth (ft): 15.51	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 5.83	**E. Well Volume (gal) C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 9.68	**F. Five Well Volumes (gal) (E3):**	**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)
832	5.30	0	0.25	7.25	246	8.0	1.4	5.15	7
836	8.18	1	0.25	7.16	236	8.0	1.4	2.67	12
840	8.97	2	0.25	7.24	230	7.9	1.4	2.66	14
844	9.10	3	0.25	7.33	222	7.7	1.4	2.46	11
848	9.02	4	0.25	7.32	216	7.4	1.4	2.33	11
852	9.09	5	0.25	7.35	199	7.3	1.4	1.83	9
856	9.07	6	0.25	7.32	194	7.4	1.4	1.57	12
900	9.13	7	0.25	7.32	192	7.4	1.4	1.39	13
904	9.14	8	0.25	7.30	190	7.5	1.4	1.22	15

Total Quantity of Water Removed: 8 liters
Samplers: Steve Bazilus
Sampling Date: 26-Apr-06
Sampling Time: 9:07
Split Sample With:
Sample Type: GRAB

COMMENTS AND OBSERVATIONS:

Attachment C

Chain-of-Custody Records
March, April, and June 2006

[redacted]

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Greenstar Engineering P.C.	Project Manager: Charles McLeod	Date: 3-6-06	Chain of Custody Number: 254450
Address: 6 Gellarly Drive	Telephone Number (Area Code)/Fax Number: 845-223-9944 / 845-223-9955	Lab Number:	Page 1 of 1
City: Wappingers falls / State: NY / Zip Code: 12590	Site Contact: Charles McLeod	Lab Contact: Paul Simms	
Project Name and Location (State): Airco Parcel (Niagara falls, 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: BOD	Cr6, WC, P.O.	200.7 ICP Metals	PH-1, Nitrate	N. nitr, TSS	PP Ver. As	TDS	TKN, WP Ammonia	T Phenols
AP-EWE-3606	3-6-06	1400		X			1						X								
				X			1							X							
				X					1						X						
				X			1									X	X				
				X						2								X			
				X			1												X		
				X				1												X	
				X				1													X

Special Instructions/ Conditions of Receipt

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: [signature]	3-6-06	1630	1. Received By: [signature]	03/06/06	1630
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

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

STL CONNECTICUT

Client: GREENSTAR Engineering PC	Project Manager: CHARLES E McLEOD	Date: 04/25/06	Chain of Custody Number: 252173
Address: 6 Gellatly Dr.	Telephone Number (Area Code)/Fax Number: 845-223-9944 / 845-223-9955	Lab Number:	Page 1 of 1
City: Wappingers Falls; State: NY; Zip Code: 12590	Site Contact:	Lab Contact:	
Project Name and Location (State): NIAGARA Falls, 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.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: me	TSi	Ammonia	SOH	Crt6	WQ	Tphenols	Special Instructions/ Conditions of Receipt
AP-MW-1B	04/25/06	14:24	X				1	2	2				X	X	X	X	X	X	X	
AP-MW-2B	04/25/06	15:28	X				1	2	2				X	X	X	X	X	X	X	
AP-MW-3B	04/25/06	16:22	X				1	2	2				X	X	X	X	X	X	X	
AP-DUP-01	04/25/06	[illegible]	X				1	2	2				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

6 ☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: [signature]	Date	Time	1. Received By: [signature]	Date: 04/25/06	Time: 1805
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

2.0°C

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

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

STL CONNECTICUT

Client	Project Manager	Date	Chain of Custody Number
Greenstar ENG. PC	Chip McLeod	04/26/06	252170
Address 6 Gellatly Dr.	**Telephone Number (Area Code)/Fax Number** 845-223-9944 / 845-223-9953	**Lab Number**	**Page** 1 of 1
City Wappingers Falls	**State** NY	**Zip Code** 12590	**Site Contact**	**Lab Contact**
Project Name and Location (State) AIRCO Parcel Niagara Falls, 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: AMMONIA	Me	TPHenols	TSS	SO4	CRG	WQ
AP-SWB-01	04/26/06	07:15		X			1	2	2				X	X	X	X	X	X	X
AP-MW-6B	04/26/06	08:05		X			1	2	2				X	X	X	X	X	X	X
AP-MW-8B	04/26/06	09:07		X			1	2	2				X	X	X	X	X	X	X
AP-MW-4B	04/26/06	09:30		X			1	2	2				X	X	X	X	X	X	X
AP-MW-5B	04/26/06	09:55		X			1	2	2				X	X	X	X	X	X	X
AP-MW-7B	04/26/06	10:20		X			1	2	2				X	X	X	X	X	X	X
AP-SS-01	04/26/06	10:55		X			1	2	2				X	X	X	X	X	X	X
AP-SS-02	04/26/06	11:00		X			1	2	2				X	X	X	X	X	X	X
AP-RB-01	04/26/06	11:05		X			1	2	2				X	X	X	X	X	X	X

Special Instructions/ Conditions of Receipt

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
1. Relinquished By	Steven Battle	04/26/06	12:18
2. Relinquished By			
3. Relinquished By			
1. Received By			
2. Received By			
3. Received By			

Comments: 2.6°C

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

Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Greenstar Engineering P.C.	Project Manager: Charles McLeod	Date:	Chain of Custody Number: 285713
Address: 6 Gellarty Drive	Telephone Number (Area Code)/Fax Number: 645-223-9944 / 645-223-9955	Lab Number:	Page ____ of ____
City: Wappingers Falls	State: NY	Zip Code: 12590	Site Contact:	Lab Contact: J.K.
Project Name and Location (State): A-20 Parcel, Niagara Falls (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 (Attach list if more space is needed): BOD, COD	TDS, TSS	Total Phenols	DO, pH	CRT6	Ammon,3	Nitrate, Nitrite	TKN	VOA	Metals	Special Instructions/ Conditions of Receipt
AP-EWE-01	6/6/06	1315		X			4	2	1	2			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 ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	6/6/06	1710	1. Received By: [signature]	6.8.06	17:15
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 2@5.6°C

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

33\33

Attachment D

Laboratory Analytical Results for Groundwater and Surface Water Sampling April 2006

ANALYTICAL REPORT

Job#: A06-4420,A06-4454,A06-4456,A06-4566

STL Project#: NY5A9582
SDG#: 2Q06GW
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

05/17/2006

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
A6442001	AP-DUP-01	WATER	04/25/2006		04/25/2006	18:05
A6456601	AP-DUP-01	WATER	04/25/2006		04/25/2006	18:05
A6442002	AP-MW-1B	WATER	04/25/2006	14:24	04/25/2006	18:05
A6456602	AP-MW-1B	WATER	04/25/2006	14:24	04/25/2006	18:05
A6442003	AP-MW-2B	WATER	04/25/2006	15:28	04/25/2006	18:05
A6456603	AP-MW-2B	WATER	04/25/2006	15:28	04/25/2006	18:05
A6442004	AP-MW-3B	WATER	04/25/2006	16:22	04/25/2006	18:05
A6456604	AP-MW-3B	WATER	04/25/2006	16:22	04/25/2006	18:05
A6445401	AP-MW-4B	WATER	04/26/2006	09:30	04/26/2006	12:18
A6445601	AP-MW-4B	WATER	04/26/2006	09:30	04/26/2006	12:18
A6445402	AP-MW-5B	WATER	04/26/2006	09:55	04/26/2006	12:18
A6445602	AP-MW-5B	WATER	04/26/2006	09:55	04/26/2006	12:18
A6445403	AP-MW-6B	WATER	04/26/2006	08:05	04/26/2006	12:18
A6445603	AP-MW-6B	WATER	04/26/2006	08:05	04/26/2006	12:18
A6445404	AP-MW-7B	WATER	04/26/2006	10:20	04/26/2006	12:18
A6445604	AP-MW-7B	WATER	04/26/2006	10:20	04/26/2006	12:18
A6445405	AP-MW-8B	WATER	04/26/2006	09:07	04/26/2006	12:18
A6445605	AP-MW-8B	WATER	04/26/2006	09:07	04/26/2006	12:18
A6445406	AP-RB-01	WATER	04/26/2006	11:05	04/26/2006	12:18
A6445606	AP-RB-01	WATER	04/26/2006	11:05	04/26/2006	12:18
A6445407	AP-SS-01	WATER	04/26/2006	10:55	04/26/2006	12:18
A6445607	AP-SS-01	WATER	04/26/2006	10:55	04/26/2006	12:18
A6445408	AP-SS-02	WATER	04/26/2006	11:00	04/26/2006	12:18
A6445608	AP-SS-02	WATER	04/26/2006	11:00	04/26/2006	12:18
A6445409	AP-SWB-01	WATER	04/26/2006	07:15	04/26/2006	12:18
A6445609	AP-SWB-01	WATER	04/26/2006	07:15	04/26/2006	12:18

METHODS SUMMARY

Job#: A06-4420,A06-4454,A06-4456,A06-4566

STL Project#: NY5A9582
SDG#: 2Q06GW
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	

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#: A06-4420,A06-4454,A06-4456,A06-4566

STL Project#: NY5A9582
SDG#: 2Q06GW
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

A06-4420
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.
A06-4454
Sample Cooler(s) were received at the following temperature(s); 2.6 °C
All samples were received in good condition.
A06-4456
Sample Cooler(s) were received at the following temperature(s); 2.6 °C
All samples were received in good condition.
A06-4566
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.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
AP-DUP-01	A6442001	Hexavalent Chromium - Total	2.00	008
AP-MW-1B	A6442002	Sulfate	5.00	008
AP-MW-2B	A6442003	Hexavalent Chromium - Total	2.00	008
AP-MW-3B	A6442004	Sulfate	2.00	008
AP-MW-4B	A6445401	Sulfate	2.00	008
AP-MW-5B	A6445402	Sulfate	2.00	008
AP-MW-6B	A6445403	Sulfate	5.00	008
AP-SS-01	A6445407	Ammonia	2.00	008
AP-MW-4B	A6445601	Silicon - Total	10.00	013
AP-MW-5B	A6445602	Silicon - Total	10.00	013
AP-MW-6B	A6445603	Silicon - Total	10.00	013
AP-MW-7B	A6445604	Silicon - Total	10.00	013
AP-MW-8B	A6445605	Silicon - Total	10.00	013
AP-RB-01	A6445606	Silicon - Total	10.00	013
AP-SS-01	A6445607	Silicon - Total	10.00	013
AP-SS-02	A6445608	Silicon - Total	10.00	013
AP-SWB-01	A6445609	Silicon - Total	10.00	013
AP-DUP-01	A6456601	Silicon - Total	10.00	013
AP-MW-1B	A6456602	Silicon - Total	10.00	013
AP-MW-2B	A6456603	Silicon - Total	10.00	013
AP-MW-3B	A6456604	Silicon - Total	10.00	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

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: A6442001
Date Collected: 04/25/2006
Time Collected: :

Date Received: 04/25/2006
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	04/27/2006 13:44	TWS
Chromium - Total	0.48		0.0040	MG/L	200.7	04/27/2006 13:44	TWS
Iron - Total	0.47		0.050	MG/L	200.7	04/27/2006 13:44	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 13:44	TWS
Magnesium - Total	0.24		0.20	MG/L	200.7	04/27/2006 13:44	TWS
Manganese - Total	0.0095		0.0030	MG/L	200.7	04/27/2006 13:44	TWS
Selenium - Total	ND		0.015	MG/L	200.7	04/27/2006 13:44	TWS
Sodium - Total	61.9		1.0	MG/L	200.7	04/27/2006 13:44	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 13:44	TWS
Zinc - Total	ND		0.010	MG/L	200.7	04/27/2006 13:44	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/27/2006 11:07	ERK
Hexavalent Chromium - Total	350		22.0	UG/L	7196A	04/26/2006 12:30	KD
Sulfate	17.4		2.0	MG/L	300.0	05/02/2006 10:49	SS
Total Recoverable Phenolics	10		8.0	UG/L	420.2	04/27/2006 17:22	LRM

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

Sample ID: AP-DUP-01
Lab Sample ID: A6456601
Date Collected: 04/25/2006
Time Collected:

Date Received: 04/25/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	1.03	B	5.00000	MG/L	6010	05/09/2006	SUB

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

Sample ID: AP-MW-1B
Lab Sample ID: A6442002
Date Collected: 04/25/2006
Time Collected: 14:24

Date Received: 04/25/2006
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	04/27/2006 13:49	TWS
Chromium - Total	ND		0.0040	MG/L	200.7	04/27/2006 13:49	TWS
Iron - Total	0.24		0.050	MG/L	200.7	04/27/2006 13:49	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 13:49	TWS
Magnesium - Total	65.9		0.20	MG/L	200.7	04/27/2006 13:49	TWS
Manganese - Total	0.76		0.0030	MG/L	200.7	04/27/2006 13:49	TWS
Selenium - Total	ND		0.015	MG/L	200.7	04/27/2006 13:49	TWS
Sodium - Total	103		1.0	MG/L	200.7	04/27/2006 13:49	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 13:49	TWS
Zinc - Total	0.48		0.010	MG/L	200.7	04/27/2006 13:49	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/27/2006 11:07	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/26/2006 12:30	KD
Sulfate	264		10	MG/L	300.0	05/02/2006 10:49	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/27/2006 17:22	LRM

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

Sample ID: AP-MW-1B
Lab Sample ID: A6456602
Date Collected: 04/25/2006
Time Collected: 14:24

Date Received: 04/25/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	6.95		5.00000	MG/L	6010	05/09/2006	SUB

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

Sample ID: AP-MW-2B
Lab Sample ID: A6442003
Date Collected: 04/25/2006
Time Collected: 15:28

Date Received: 04/25/2006
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	04/27/2006 13:53	TWS
Chromium - Total	0.48		0.0040	MG/L	200.7	04/27/2006 13:53	TWS
Iron - Total	0.16		0.050	MG/L	200.7	04/27/2006 13:53	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 13:53	TWS
Magnesium - Total	ND		0.20	MG/L	200.7	04/27/2006 13:53	TWS
Manganese - Total	0.0075		0.0030	MG/L	200.7	04/27/2006 13:53	TWS
Selenium - Total	ND		0.015	MG/L	200.7	04/27/2006 13:53	TWS
Sodium - Total	53.5		1.0	MG/L	200.7	04/27/2006 13:53	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 13:53	TWS
Zinc - Total	ND		0.010	MG/L	200.7	04/27/2006 13:53	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/27/2006 11:07	ERK
Hexavalent Chromium - Total	416		22.0	UG/L	7196A	04/26/2006 12:30	KD
Sulfate	17.0		2.0	MG/L	300.0	05/02/2006 10:49	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/27/2006 17:22	LRM

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

Sample ID: AP-MW-2B
Lab Sample ID: A6456603
Date Collected: 04/25/2006
Time Collected: 15:28

Date Received: 04/25/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	ND		5.00000	MG/L	6010	05/09/2006	SUB

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

Sample ID: AP-MW-3B
Lab Sample ID: A6442004
Date Collected: 04/25/2006
Time Collected: 16:22

Date Received: 04/25/2006
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	04/27/2006 13:58	TWS
Chromium - Total	ND		0.0040	MG/L	200.7	04/27/2006 13:58	TWS
Iron - Total	ND		0.050	MG/L	200.7	04/27/2006 13:58	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 13:58	TWS
Magnesium - Total	0.69		0.20	MG/L	200.7	04/27/2006 13:58	TWS
Manganese - Total	ND		0.0030	MG/L	200.7	04/27/2006 13:58	TWS
Selenium - Total	ND		0.015	MG/L	200.7	04/27/2006 13:58	TWS
Sodium - Total	83.8		1.0	MG/L	200.7	04/27/2006 13:58	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 13:58	TWS
Zinc - Total	ND		0.010	MG/L	200.7	04/27/2006 13:58	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/27/2006 11:07	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/26/2006 12:30	KD
Sulfate	116		4.0	MG/L	300.0	05/03/2006 13:37	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/27/2006 17:22	LRM

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

Sample ID: AP-MW-3B
Lab Sample ID: A6456604
Date Collected: 04/25/2006
Time Collected: 16:22

Date Received: 04/25/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	9.16		5.00000	MG/L	6010	05/09/2006	SUB

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

Sample ID: AP-MW-4B
Lab Sample ID: A6445401
Date Collected: 04/26/2006
Time Collected: 09:30

Date Received: 04/26/2006
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	04/27/2006 18:16	TWS
Chromium - Total	0.21		0.0040	MG/L	200.7	04/27/2006 18:16	TWS
Iron - Total	1.2		0.050	MG/L	200.7	04/27/2006 18:16	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 18:16	TWS
Magnesium - Total	43.3		0.20	MG/L	200.7	04/27/2006 18:16	TWS
Manganese - Total	0.024		0.0030	MG/L	200.7	04/27/2006 18:16	TWS
Selenium - Total	ND		0.015	MG/L	200.7	04/27/2006 18:16	TWS
Sodium - Total	80.1		1.0	MG/L	200.7	04/27/2006 18:16	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 18:16	TWS
Zinc - Total	0.024		0.010	MG/L	200.7	04/27/2006 18:16	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/27/2006 11:07	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/26/2006 19:00	EC
Sulfate	146		4.0	MG/L	300.0	05/03/2006 13:37	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/28/2006 16:29	LRM

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

Sample ID: AP-MW-4B
Lab Sample ID: A6445601
Date Collected: 04/26/2006
Time Collected: 09:30

Date Received: 04/26/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	6.81		5.00000	MG/L	6010	05/09/2006	SUB

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

Sample ID: AP-MW-5B
Lab Sample ID: A6445402
Date Collected: 04/26/2006
Time Collected: 09:55

Date Received: 04/26/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	0.0018		0.0010	MG/L	200.7	04/27/2006 18:21	TWS
Chromium - Total	ND		0.0040	MG/L	200.7	04/27/2006 18:21	TWS
Iron - Total	0.77		0.050	MG/L	200.7	04/27/2006 18:21	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 18:21	TWS
Magnesium - Total	72.6		0.20	MG/L	200.7	04/27/2006 18:21	TWS
Manganese - Total	0.039		0.0030	MG/L	200.7	04/27/2006 18:21	TWS
Selenium - Total	ND		0.015	MG/L	200.7	04/27/2006 18:21	TWS
Sodium - Total	55.3		1.0	MG/L	200.7	04/27/2006 18:21	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 18:21	TWS
Zinc - Total	0.057		0.010	MG/L	200.7	04/27/2006 18:21	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/27/2006 11:07	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/26/2006 19:00	EC
Sulfate	154		4.0	MG/L	300.0	05/03/2006 13:37	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/28/2006 16:29	LRM

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

Sample ID: AP-MW-5B
Lab Sample ID: A6445602
Date Collected: 04/26/2006
Time Collected: 09:55

Date Received: 04/26/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	8.09		5.00000	MG/L	6010	05/09/2006	SUB

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

Sample ID: AP-MW-6B
Lab Sample ID: A6445403
Date Collected: 04/26/2006
Time Collected: 08:05

Date Received: 04/26/2006
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	04/27/2006 18:26	TWS
Chromium - Total	ND		0.0040	MG/L	200.7	04/27/2006 18:26	TWS
Iron - Total	0.23		0.050	MG/L	200.7	04/27/2006 18:26	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 18:26	TWS
Magnesium - Total	85.6		0.20	MG/L	200.7	04/27/2006 18:26	TWS
Manganese - Total	0.15		0.0030	MG/L	200.7	04/27/2006 18:26	TWS
Selenium - Total	ND		0.015	MG/L	200.7	04/27/2006 18:26	TWS
Sodium - Total	55.7		1.0	MG/L	200.7	04/27/2006 18:26	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 18:26	TWS
Zinc - Total	ND		0.010	MG/L	200.7	04/27/2006 18:26	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/27/2006 11:07	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/26/2006 19:00	EC
Sulfate	246		10	MG/L	300.0	05/03/2006 13:37	SS
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/28/2006 16:29	LRM

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

Sample ID: AP-MW-6B
Lab Sample ID: A6445603
Date Collected: 04/26/2006
Time Collected: 08:05

Date Received: 04/26/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	5.92		5.00000	MG/L	6010	05/09/2006	SUB

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

Sample ID: AP-MW-7B
Lab Sample ID: A6445404
Date Collected: 04/26/2006
Time Collected: 10:20

Date Received: 04/26/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	0.0027		0.0010	MG/L	200.7	04/27/2006 18:31	TWS
Chromium - Total	0.090		0.0040	MG/L	200.7	04/27/2006 18:31	TWS
Iron - Total	7.7		0.050	MG/L	200.7	04/27/2006 18:31	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 18:31	TWS
Magnesium - Total	11.9		0.20	MG/L	200.7	04/27/2006 18:31	TWS
Manganese - Total	0.14		0.0030	MG/L	200.7	04/27/2006 18:31	TWS
Selenium - Total	ND		0.015	MG/L	200.7	04/27/2006 18:31	TWS
Sodium - Total	56.4		1.0	MG/L	200.7	04/27/2006 18:31	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 18:31	TWS
Zinc - Total	0.040		0.010	MG/L	200.7	04/27/2006 18:31	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/27/2006 11:07	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/26/2006 19:00	EC
Sulfate	39.6		2.0	MG/L	300.0	04/28/2006 15:25	SM
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/28/2006 16:29	LRM

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

Sample ID: AP-MW-7B
Lab Sample ID: A6445604
Date Collected: 04/26/2006
Time Collected: 10:20

Date Received: 04/26/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	7.11		5.00000	MG/L	6010	05/09/2006	SUB

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

Sample ID: AP-MW-8B
Lab Sample ID: A6445405
Date Collected: 04/26/2006
Time Collected: 09:07

Date Received: 04/26/2006
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	04/27/2006 18:36	TWS
Chromium - Total	0.18		0.0040	MG/L	200.7	04/27/2006 18:36	TWS
Iron - Total	0.49		0.050	MG/L	200.7	04/27/2006 18:36	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 18:36	TWS
Magnesium - Total	50.3		0.20	MG/L	200.7	04/27/2006 18:36	TWS
Manganese - Total	0.048		0.0030	MG/L	200.7	04/27/2006 18:36	TWS
Selenium - Total	0.071		0.015	MG/L	200.7	04/27/2006 18:36	TWS
Sodium - Total	147		1.0	MG/L	200.7	04/27/2006 18:36	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 18:36	TWS
Zinc - Total	0.028		0.010	MG/L	200.7	04/27/2006 18:36	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/27/2006 11:07	ERK
Hexavalent Chromium - Total	13.0		11.0	UG/L	7196A	04/26/2006 19:00	EC
Sulfate	ND		2.0	MG/L	300.0	04/28/2006 15:25	SM
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/28/2006 16:29	LRM

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

Sample ID: AP-MW-8B
Lab Sample ID: A6445605
Date Collected: 04/26/2006
Time Collected: 09:07

Date Received: 04/26/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	7.49		5.00000	MG/L	6010	05/09/2006	SUB

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

Sample ID: AP-RB-01
Lab Sample ID: A6445406
Date Collected: 04/26/2006
Time Collected: 11:05

Date Received: 04/26/2006
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	04/27/2006 18:41	TWS
Chromium - Total	ND		0.0040	MG/L	200.7	04/27/2006 18:41	TWS
Iron - Total	ND		0.050	MG/L	200.7	04/27/2006 18:41	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 18:41	TWS
Magnesium - Total	2.4		0.20	MG/L	200.7	04/27/2006 18:41	TWS
Manganese - Total	ND		0.0030	MG/L	200.7	04/27/2006 18:41	TWS
Selenium - Total	ND		0.015	MG/L	200.7	04/27/2006 18:41	TWS
Sodium - Total	3.6		1.0	MG/L	200.7	04/27/2006 18:41	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 18:41	TWS
Zinc - Total	ND		0.010	MG/L	200.7	04/27/2006 18:41	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/27/2006 11:07	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/26/2006 19:00	EC
Sulfate	11.0		2.0	MG/L	300.0	04/28/2006 15:25	SM
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/28/2006 16:29	LRM

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

Sample ID: AP-RB-01
Lab Sample ID: A6445606
Date Collected: 04/26/2006
Time Collected: 11:05

Date Received: 04/26/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	4.24		5.00000	MG/L	6010	05/09/2006	SUB

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

Sample ID: AP-SS-01
Lab Sample ID: A6445407
Date Collected: 04/26/2006
Time Collected: 10:55

Date Received: 04/26/2006
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	04/27/2006 18:46	TWS
Chromium - Total	0.099		0.0040	MG/L	200.7	04/27/2006 18:46	TWS
Iron - Total	0.48		0.050	MG/L	200.7	04/27/2006 18:46	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 18:46	TWS
Magnesium - Total	4.2		0.20	MG/L	200.7	04/27/2006 18:46	TWS
Manganese - Total	0.017		0.0030	MG/L	200.7	04/27/2006 18:46	TWS
Selenium - Total	ND		0.015	MG/L	200.7	04/27/2006 18:46	TWS
Sodium - Total	47.5		1.0	MG/L	200.7	04/27/2006 18:46	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 18:46	TWS
Zinc - Total	ND		0.010	MG/L	200.7	04/27/2006 18:46	TWS
Wet Chemistry Analysis							
Ammonia	ND		18.4	MG/L-N	350.1	04/28/2006 11:03	ERK
Hexavalent Chromium - Total	59.0		11.0	UG/L	7196A	04/26/2006 19:00	EC
Sulfate	16.6		2.0	MG/L	300.0	04/28/2006 15:25	SM
Total Recoverable Phenolics	29.0		8.0	UG/L	420.2	04/28/2006 16:29	LRM

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

Sample ID: AP-SS-01
Lab Sample ID: A6445607
Date Collected: 04/26/2006
Time Collected: 10:55

Date Received: 04/26/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	ND		5.00000	MG/L	6010	05/09/2006	SUB

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

Sample ID: AP-SS-02
Lab Sample ID: A6445408
Date Collected: 04/26/2006
Time Collected: 11:00

Date Received: 04/26/2006
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	04/27/2006 19:02	TWS
Chromium - Total	ND		0.0040	MG/L	200.7	04/27/2006 19:02	TWS
Iron - Total	0.14		0.050	MG/L	200.7	04/27/2006 19:02	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 19:02	TWS
Magnesium - Total	25.5		0.20	MG/L	200.7	04/27/2006 19:02	TWS
Manganese - Total	0.018		0.0030	MG/L	200.7	04/27/2006 19:02	TWS
Selenium - Total	ND		0.015	MG/L	200.7	04/27/2006 19:02	TWS
Sodium - Total	15.9		1.0	MG/L	200.7	04/27/2006 19:02	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 19:02	TWS
Zinc - Total	ND		0.010	MG/L	200.7	04/27/2006 19:02	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/27/2006 11:07	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/26/2006 19:00	EC
Sulfate	75.3		2.0	MG/L	300.0	04/28/2006 15:25	SM
Total Recoverable Phenolics	8.0		8.0	UG/L	420.2	04/28/2006 16:29	LRM

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

Sample ID: AP-SS-02
Lab Sample ID: A6445608
Date Collected: 04/26/2006
Time Collected: 11:00

Date Received: 04/26/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	2.93	B	5.00000	MG/L	6010	05/09/2006	SUB

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

Sample ID: AP-SWB-01
Lab Sample ID: A6445409
Date Collected: 04/26/2006
Time Collected: 07:15

Date Received: 04/26/2006
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	04/27/2006 19:07	TWS
Chromium - Total	ND		0.0040	MG/L	200.7	04/27/2006 19:07	TWS
Iron - Total	ND		0.050	MG/L	200.7	04/27/2006 19:07	TWS
Lead - Total	ND		0.0050	MG/L	200.7	04/27/2006 19:07	TWS
Magnesium - Total	2.5		0.20	MG/L	200.7	04/27/2006 19:07	TWS
Manganese - Total	ND		0.0030	MG/L	200.7	04/27/2006 19:07	TWS
Selenium - Total	ND		0.015	MG/L	200.7	04/27/2006 19:07	TWS
Sodium - Total	3.7		1.0	MG/L	200.7	04/27/2006 19:07	TWS
Thallium - Total	ND		0.020	MG/L	200.7	04/27/2006 19:07	TWS
Zinc - Total	ND		0.010	MG/L	200.7	04/27/2006 19:07	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/27/2006 11:07	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/26/2006 19:00	EC
Sulfate	10.8		2.0	MG/L	300.0	04/28/2006 15:25	SM
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/28/2006 16:29	LRM

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

Sample ID: AP-SWB-01
Lab Sample ID: A6445609
Date Collected: 04/26/2006
Time Collected: 07:15

Date Received: 04/26/2006
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	4.19	B	5.00000	MG/L	6010	05/09/2006	SUB

Batch Quality Control Data

Lab Sample ID: A6437301 A6437301MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS ALLIED - METHOD 300.0 - SULFATE	MG/L	58.39	79.31	25.00	84	75-125

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

Lab Sample ID: A6439404 A6439404MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
AMMONIA WITH MANUAL DISTILLATION	MG/L-N	0.00210	0.615	0.500	123	54-150

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

Lab Sample ID: A6442001 A6442001MS

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	10.0	109.0	100.0	99	60-143

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

Lab Sample ID: A6442002 A6442002MS

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	49.00	50.00	98	75-120

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

Lab Sample ID: A6443202 A6443202MS

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	0.395	0.200	198 *	54-150

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

Lab Sample ID: A6444301 A6444301MS

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	0.283	0.200	142	54-150
TOTAL RECOVERABLE PHENOLICS	UG/L	1.00	87.00	100.0	86	60-143

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

Lab Sample ID: A6445202 A6445202MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
TOTAL RECOVERABLE PHENOLICS	UG/L	6.00	107.0	100.0	101	60-143

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

Lab Sample ID: A6445408 A6445408MS

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	47.00	50.00	94	75-120

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

Lab Sample ID: A6445409 A6445409MS

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	10.81	34.99	25.00	97	75-125

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

Lab Sample ID: A6445502 A6445502MS

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	0.0488	0.370	0.200	161 *	54-150

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

Lab Sample ID: A6447305 A6447305MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD SM4110C - SULFATE	MG/L	24.80	47.05	25.00	89	75-125

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

Lab Sample ID: A6447707 A6447707MS

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	0.0581	0.280	0.200	111	54-150

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

Lab Sample ID: A6450605 A6450605MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
NISOURCE - SULFATE BY IC	MG/L	23.46	48.53	25.00	100	75-125

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

Lab Sample ID: A6451102 A6451102MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD SM4110C - CHLORIDE	MG/L	13.42	40.13	25.00	107	73-114

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

Lab Sample ID: A6452305 A6452305MS

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	0.255	0.527	0.200	136	54-150

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

Lab Sample ID: A6452902 A6452902MS

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	0.209	0.200	105	54-150

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

Lab Sample ID: A6453002 A6453002MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
TOTAL RECOVERABLE PHENOLICS	UG/L	3.00	111.0	100.0	108	60-143

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

Lab Sample ID: A6453401 A6453401MS A6453401SD

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 ALLIED - METHOD 350.1 - AMMONIA - W	MG/L-N	0.922	1.15	1.15	0.200	0.200	118	119	119	0.	20.0	54-150

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

Lab Sample ID: A6462902 A6462902MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD SM4110C - CHLORIDE	MG/L	53.12	77.40	25.00	97	73-114

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

Lab Sample ID: A6464804 A6464804MS A6464804SD

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	16.44	44.06	42.94	25.00	25.00	110	106	108	4	20.0	75-125

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

Lab Sample ID: A6474101 A6474101MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD SM4110C - SULFATE	MG/L	29.18	54.79	25.00	102	75-125

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

Lab Sample ID: A6470804 A6470804MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - CHLORIDE	MG/L	0.0300	27.13	25.00	108	73-114

* 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 A06-4454 A6B1777402		Method Blank A06-4420 A6B1777502					
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		A06-4420	A6B1779102	A06-4454	A6B1781202	A06-4454	A6B1785302	A06-4420	A6B1787102
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	ND	11.0	NA		NA	
Sulfate	MG/L	NA		NA		ND	2.0	NA	
Ammonia	MG/L-N	NA		NA		NA		ND	9.2

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No / Lab ID		A06-4420	A6B1788102	A06-4454	A6B1794502	A06-4454	A6B1794902	A06-4420	A6B1813502
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	NA		ND	8.0	NA	
Ammonia	MG/L-N	NA		ND	9.2	NA		NA	
Sulfate	MG/L	NA		NA		NA		ND	2.0

Client ID		Method Blank							
Job No / Lab ID		A06-4420	A6B1821502						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Sulfate	MG/L	ND	2.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

SDG: 2QO6GW

Client Sample ID: Method Blank LFB
Lab Sample ID: A6B1777402 A6B1777401

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	0.201	0.200	101	85-115
200.7 TOTAL CHROMIUM - W	MG/L	0.200	0.200	100	85-115
200.7 TOTAL IRON	MG/L	10.06	10.0	101	85-115
200.7 TOTAL LEAD - W	MG/L	0.202	0.200	101	85-115
TOTAL MAGNESIUM	MG/L	10.13	10.0	101	85-115
TOTAL MANGANESE	MG/L	0.199	0.200	100	85-115
TOTAL SELENIUM	MG/L	0.196	0.200	98	85-115
TOTAL SODIUM	MG/L	9.62	10.0	96	85-115
TOTAL THALLIUM	MG/L	0.200	0.200	100	85-115
TOTAL ZINC	MG/L	0.195	0.200	97	85-115

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

SDG: 2QO6GW
Client Sample ID: Method Blank LFB
Lab Sample ID: A6B1777502 A6B1777501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
8 BASELINE METALS					
200.7 TOTAL CADMIUM - W	MG/L	0.198	0.200	99	85-115
200.7 TOTAL CHROMIUM - W	MG/L	0.198	0.200	99	85-115
200.7 TOTAL IRON	MG/L	9.93	10.0	99	85-115
200.7 TOTAL LEAD - W	MG/L	0.197	0.200	99	85-115
TOTAL MAGNESIUM	MG/L	10.02	10.0	99	85-115
TOTAL MANGANESE	MG/L	0.196	0.200	98	85-115
TOTAL SELENIUM	MG/L	0.195	0.200	97	85-115
TOTAL SODIUM	MG/L	9.52	10.0	95	85-115
TOTAL THALLIUM	MG/L	0.198	0.200	99	85-115
TOTAL ZINC	MG/L	0.193	0.200	96	85-115

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

SDG: 2Q06GW
Client Sample ID: AP-DUP-01 AP-DUP-01
Lab Sample ID: A6442001 A6442001MS

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	10.0	109.0	100.0	99	60-143

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

SDG: 2QO6GW
Client Sample ID: AP-MW-1B AP-MW-1B
Lab Sample ID: A6442002 A6442002MS

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	49.00	50.00	98	75-120

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

SDG: 2QO6GW
Client Sample ID: AP-SS-02 AP-SS-02
Lab Sample ID: A6445408 A6445408MS

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	47.00	50.00	94	75-120

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

SDG: 2QO6GW
Client Sample ID: AP-SWB-01 AP-SWB-01
Lab Sample ID: A6445409 A6445409MS

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	10.81	34.99	25.00	97	75-125

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

SDG: 2Q06GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B1779102 A6B1779101

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	46.00	50.00	92	80-120

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

SDG: 2QO6GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B1781202 A6B1781201

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	54.00	50.00	108	80-120

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

SDG: 2QO6GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B1785302 A6B1785301

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	18.68	20.00	93	90-110

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

SDG: 2Q06GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B1787102 A6B1787101

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	0.734	0.750	98	90-110

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

SDG: 2QO6GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B1788102 A6B1788101

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	304.0	300.0	101	75-125

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

SDG: 2QO6GW
Client Sample ID: Method Blank
Lab Sample ID: A6B1794502

LCS
A6B1794501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.746	0.750	100	90-110

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

SDG: 2QO6GW
Client Sample ID: Method Blank LCS
Lab Sample ID: A6B1794902 A6B1794901

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	280.0	300.0	92	75-125

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

SDG: 2QO6GW
Client Sample ID: Method Blank
Lab Sample ID: A6B1813502

LCS
A6B1813501

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE BY IC	MG/L	19.39	20.00	96	90-110

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

SDG: 2QO6GW
Client Sample ID: Method Blank
Lab Sample ID: A6B1821502

LCS
A6B1821501

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	18.58	20.00	92	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
A6442001	AP-DUP-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/25/06	04/25 18:05	NA		04/27 13:44	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/25/06	04/25 18:05	NA		04/27 13:44	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/25/06	04/25 18:05	NA		04/27 13:44	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/25/06	04/25 18:05	NA		04/27 13:44	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/25/06	04/25 18:05	NA		04/27 13:44	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/25/06	04/25 18:05	NA		04/27 13:44	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/25/06	04/25 18:05	NA		04/27 13:44	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/25/06	04/25 18:05	NA		04/27 13:44	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/25/06	04/25 18:05	NA		04/27 13:44	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/25/06	04/25 18:05	NA		04/27 13:44	TWS	Y	WATER
A6456601	AP-DUP-01	RECNY	Silicon - Total	6010	10.0			04/25/06	04/25 18:05	NA		05/09	SUB	Y	WATER
A6442002	AP-MW-1B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/25/06 14:24	04/25 18:05	NA		04/27 13:49	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/25/06 14:24	04/25 18:05	NA		04/27 13:49	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/25/06 14:24	04/25 18:05	NA		04/27 13:49	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/25/06 14:24	04/25 18:05	NA		04/27 13:49	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/25/06 14:24	04/25 18:05	NA		04/27 13:49	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/25/06 14:24	04/25 18:05	NA		04/27 13:49	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/25/06 14:24	04/25 18:05	NA		04/27 13:49	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/25/06 14:24	04/25 18:05	NA		04/27 13:49	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/25/06 14:24	04/25 18:05	NA		04/27 13:49	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/25/06 14:24	04/25 18:05	NA		04/27 13:49	TWS	Y	WATER
A6456602	AP-MW-1B	RECNY	Silicon - Total	6010	10.0			04/25/06 14:24	04/25 18:05	NA		05/09	SUB	Y	WATER
A6442003	AP-MW-2B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/25/06 15:28	04/25 18:05	NA		04/27 13:53	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/25/06 15:28	04/25 18:05	NA		04/27 13:53	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/25/06 15:28	04/25 18:05	NA		04/27 13:53	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/25/06 15:28	04/25 18:05	NA		04/27 13:53	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/25/06 15:28	04/25 18:05	NA		04/27 13:53	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/25/06 15:28	04/25 18:05	NA		04/27 13:53	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/25/06 15:28	04/25 18:05	NA		04/27 13:53	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/25/06 15:28	04/25 18:05	NA		04/27 13:53	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/25/06 15:28	04/25 18:05	NA		04/27 13:53	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/25/06 15:28	04/25 18:05	NA		04/27 13:53	TWS	Y	WATER
A6456603	AP-MW-2B	RECNY	Silicon - Total	6010	10.0			04/25/06 15:28	04/25 18:05	NA		05/09	SUB	Y	WATER
A6442004	AP-MW-3B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/25/06 16:22	04/25 18:05	NA		04/27 13:58	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/25/06 16:22	04/25 18:05	NA		04/27 13:58	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/25/06 16:22	04/25 18:05	NA		04/27 13:58	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/25/06 16:22	04/25 18:05	NA		04/27 13:58	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/25/06 16:22	04/25 18:05	NA		04/27 13:58	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/25/06 16:22	04/25 18:05	NA		04/27 13:58	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/25/06 16:22	04/25 18:05	NA		04/27 13:58	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/25/06 16:22	04/25 18:05	NA		04/27 13:58	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/25/06 16:22	04/25 18:05	NA		04/27 13:58	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/25/06 16:22	04/25 18:05	NA		04/27 13:58	TWS	Y	WATER
A6456604	AP-MW-3B	RECNY	Silicon - Total	6010	10.0			04/25/06 16:22	04/25 18:05	NA		05/09	SUB	Y	WATER
A6445401	AP-MW-4B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/26/06 09:30	04/26 12:18	NA		04/27 18:16	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/26/06 09:30	04/26 12:18	NA		04/27 18:16	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/26/06 09:30	04/26 12:18	NA		04/27 18:16	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/26/06 09:30	04/26 12:18	NA		04/27 18:16	TWS	Y	WATER

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

ANL INI = Analyst Initials
DF = Dilution Factor

STL Buffalo

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
A6445401	AP-MW-4B	RECNY	Sodium - Total	200.7	1.0	0.05	L	04/26/06 09:30	04/26 12:18	NA		04/27 18:16	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/26/06 09:30	04/26 12:18	NA		04/27 18:16	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/26/06 09:30	04/26 12:18	NA		04/27 18:16	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/26/06 09:30	04/26 12:18	NA		04/27 18:16	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/26/06 09:30	04/26 12:18	NA		04/27 18:16	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/26/06 09:30	04/26 12:18	NA		04/27 18:16	TWS	Y	WATER
A6445601	AP-MW-4B	RECNY	Silicon - Total	6010	10.0			04/26/06 09:30	04/26 12:18	NA		05/09	SUB	Y	WATER
A6445402	AP-MW-5B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/26/06 09:55	04/26 12:18	NA		04/27 18:21	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/26/06 09:55	04/26 12:18	NA		04/27 18:21	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/26/06 09:55	04/26 12:18	NA		04/27 18:21	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/26/06 09:55	04/26 12:18	NA		04/27 18:21	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/26/06 09:55	04/26 12:18	NA		04/27 18:21	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/26/06 09:55	04/26 12:18	NA		04/27 18:21	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/26/06 09:55	04/26 12:18	NA		04/27 18:21	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/26/06 09:55	04/26 12:18	NA		04/27 18:21	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/26/06 09:55	04/26 12:18	NA		04/27 18:21	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/26/06 09:55	04/26 12:18	NA		04/27 18:21	TWS	Y	WATER
A6445602	AP-MW-5B	RECNY	Silicon - Total	6010	10.0			04/26/06 09:55	04/26 12:18	NA		05/09	SUB	Y	WATER
A6445403	AP-MW-6B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/26/06 08:05	04/26 12:18	NA		04/27 18:26	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/26/06 08:05	04/26 12:18	NA		04/27 18:26	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/26/06 08:05	04/26 12:18	NA		04/27 18:26	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/26/06 08:05	04/26 12:18	NA		04/27 18:26	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/26/06 08:05	04/26 12:18	NA		04/27 18:26	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/26/06 08:05	04/26 12:18	NA		04/27 18:26	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/26/06 08:05	04/26 12:18	NA		04/27 18:26	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/26/06 08:05	04/26 12:18	NA		04/27 18:26	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/26/06 08:05	04/26 12:18	NA		04/27 18:26	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/26/06 08:05	04/26 12:18	NA		04/27 18:26	TWS	Y	WATER
A6445603	AP-MW-6B	RECNY	Silicon - Total	6010	10.0			04/26/06 08:05	04/26 12:18	NA		05/09	SUB	Y	WATER
A6445404	AP-MW-7B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/26/06 10:20	04/26 12:18	NA		04/27 18:31	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/26/06 10:20	04/26 12:18	NA		04/27 18:31	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/26/06 10:20	04/26 12:18	NA		04/27 18:31	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/26/06 10:20	04/26 12:18	NA		04/27 18:31	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/26/06 10:20	04/26 12:18	NA		04/27 18:31	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/26/06 10:20	04/26 12:18	NA		04/27 18:31	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/26/06 10:20	04/26 12:18	NA		04/27 18:31	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/26/06 10:20	04/26 12:18	NA		04/27 18:31	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/26/06 10:20	04/26 12:18	NA		04/27 18:31	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/26/06 10:20	04/26 12:18	NA		04/27 18:31	TWS	Y	WATER
A6445604	AP-MW-7B	RECNY	Silicon - Total	6010	10.0			04/26/06 10:20	04/26 12:18	NA		05/09	SUB	Y	WATER
A6445405	AP-MW-8B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/26/06 09:07	04/26 12:18	NA		04/27 18:36	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/26/06 09:07	04/26 12:18	NA		04/27 18:36	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/26/06 09:07	04/26 12:18	NA		04/27 18:36	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/26/06 09:07	04/26 12:18	NA		04/27 18:36	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/26/06 09:07	04/26 12:18	NA		04/27 18:36	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/26/06 09:07	04/26 12:18	NA		04/27 18:36	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/26/06 09:07	04/26 12:18	NA		04/27 18:36	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/26/06 09:07	04/26 12:18	NA		04/27 18:36	TWS	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
A6445405	AP-MW-8B	RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/26/06 09:07	04/26 12:18	NA		04/27 18:36	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/26/06 09:07	04/26 12:18	NA		04/27 18:36	TWS	Y	WATER
A6445605	AP-MW-8B	RECNY	Silicon - Total	6010	10.0			04/26/06 09:07	04/26 12:18	NA		05/09	SUB	Y	WATER
A6445406	AP-RB-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/26/06 11:05	04/26 12:18	NA		04/27 18:41	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/26/06 11:05	04/26 12:18	NA		04/27 18:41	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/26/06 11:05	04/26 12:18	NA		04/27 18:41	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/26/06 11:05	04/26 12:18	NA		04/27 18:41	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/26/06 11:05	04/26 12:18	NA		04/27 18:41	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/26/06 11:05	04/26 12:18	NA		04/27 18:41	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/26/06 11:05	04/26 12:18	NA		04/27 18:41	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/26/06 11:05	04/26 12:18	NA		04/27 18:41	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/26/06 11:05	04/26 12:18	NA		04/27 18:41	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/26/06 11:05	04/26 12:18	NA		04/27 18:41	TWS	Y	WATER
A6445606	AP-RB-01	RECNY	Silicon - Total	6010	10.0			04/26/06 11:05	04/26 12:18	NA		05/09	SUB	Y	WATER
A6445407	AP-SS-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/26/06 10:55	04/26 12:18	NA		04/27 18:46	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/26/06 10:55	04/26 12:18	NA		04/27 18:46	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/26/06 10:55	04/26 12:18	NA		04/27 18:46	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/26/06 10:55	04/26 12:18	NA		04/27 18:46	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/26/06 10:55	04/26 12:18	NA		04/27 18:46	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/26/06 10:55	04/26 12:18	NA		04/27 18:46	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/26/06 10:55	04/26 12:18	NA		04/27 18:46	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/26/06 10:55	04/26 12:18	NA		04/27 18:46	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/26/06 10:55	04/26 12:18	NA		04/27 18:46	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/26/06 10:55	04/26 12:18	NA		04/27 18:46	TWS	Y	WATER
A6445607	AP-SS-01	RECNY	Silicon - Total	6010	10.0			04/26/06 10:55	04/26 12:18	NA		05/09	SUB	Y	WATER
A6445408	AP-SS-02	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/26/06 11:00	04/26 12:18	NA		04/27 19:02	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/26/06 11:00	04/26 12:18	NA		04/27 19:02	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/26/06 11:00	04/26 12:18	NA		04/27 19:02	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/26/06 11:00	04/26 12:18	NA		04/27 19:02	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/26/06 11:00	04/26 12:18	NA		04/27 19:02	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/26/06 11:00	04/26 12:18	NA		04/27 19:02	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/26/06 11:00	04/26 12:18	NA		04/27 19:02	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/26/06 11:00	04/26 12:18	NA		04/27 19:02	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/26/06 11:00	04/26 12:18	NA		04/27 19:02	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/26/06 11:00	04/26 12:18	NA		04/27 19:02	TWS	Y	WATER
A6445608	AP-SS-02	RECNY	Silicon - Total	6010	10.0			04/26/06 11:00	04/26 12:18	NA		05/09	SUB	Y	WATER
A6445409	AP-SWB-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/26/06 07:15	04/26 12:18	NA		04/27 19:07	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/26/06 07:15	04/26 12:18	NA		04/27 19:07	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/26/06 07:15	04/26 12:18	NA		04/27 19:07	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/26/06 07:15	04/26 12:18	NA		04/27 19:07	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/26/06 07:15	04/26 12:18	NA		04/27 19:07	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/26/06 07:15	04/26 12:18	NA		04/27 19:07	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/26/06 07:15	04/26 12:18	NA		04/27 19:07	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/26/06 07:15	04/26 12:18	NA		04/27 19:07	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/26/06 07:15	04/26 12:18	NA		04/27 19:07	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/26/06 07:15	04/26 12:18	NA		04/27 19:07	TWS	Y	WATER
A6445609	AP-SWB-01	RECNY	Silicon - Total	6010	10.0			04/26/06 07:15	04/26 12:18	NA		05/09	SUB	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)
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
A6B1777402	Method Blank	RECNY	Selenium - Total	200.7	1.0	0.05 L	-	-	NA		04/27 16:30	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05 L	-	-	NA		04/27 16:30	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05 L	-	-	NA		04/27 16:30	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05 L	-	-	NA		04/27 16:30	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05 L	-	-	NA		04/27 16:30	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05 L	-	-	NA		04/27 16:30	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05 L	-	-	NA		04/27 16:30	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05 L	-	-	NA		04/27 16:30	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05 L	-	-	NA		04/27 16:30	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05 L	-	-	NA		04/27 16:30	TWS	Y	WATER
A6B1777502	Method Blank	RECNY	Selenium - Total	200.7	1.0	0.05 L	-	-	NA		04/27 13:34	TWS	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05 L	-	-	NA		04/27 13:34	TWS	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05 L	-	-	NA		04/27 13:34	TWS	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05 L	-	-	NA		04/27 13:34	TWS	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05 L	-	-	NA		04/27 13:34	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05 L	-	-	NA		04/27 13:34	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05 L	-	-	NA		04/27 13:34	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05 L	-	-	NA		04/27 13:34	TWS	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05 L	-	-	NA		04/27 13:34	TWS	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05 L	-	-	NA		04/27 13:34	TWS	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
A6442001	AP-DUP-01	RECNY	Sulfate	300.0	1.0		04/25/06	04/25 18:05	NA		05/02 10:49	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		04/25/06	04/25 18:05	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/25/06	04/25 18:05	NA		04/27 17:22	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	2.0		04/25/06	04/25 18:05	NA		04/26 12:30	KD	Y	WATER
A6442002	AP-MW-1B	RECNY	Sulfate	300.0	5.0		04/25/06 14:24	04/25 18:05	NA		05/02 10:49	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		04/25/06 14:24	04/25 18:05	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/25/06 14:24	04/25 18:05	NA		04/27 17:22	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		04/25/06 14:24	04/25 18:05	NA		04/26 12:30	KD	Y	WATER
A6442003	AP-MW-2B	RECNY	Sulfate	300.0	1.0		04/25/06 15:28	04/25 18:05	NA		05/02 10:49	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		04/25/06 15:28	04/25 18:05	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/25/06 15:28	04/25 18:05	NA		04/27 17:22	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	2.0		04/25/06 15:28	04/25 18:05	NA		04/26 12:30	KD	Y	WATER
A6442004	AP-MW-3B	RECNY	Sulfate	300.0	2.0		04/25/06 16:22	04/25 18:05	NA		05/03 13:37	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		04/25/06 16:22	04/25 18:05	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/25/06 16:22	04/25 18:05	NA		04/27 17:22	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		04/25/06 16:22	04/25 18:05	NA		04/26 12:30	KD	Y	WATER
A6445401	AP-MW-4B	RECNY	Sulfate	300.0	2.0		04/26/06 09:30	04/26 12:18	NA		05/03 13:37	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		04/26/06 09:30	04/26 12:18	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/26/06 09:30	04/26 12:18	NA		04/28 16:29	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		04/26/06 09:30	04/26 12:18	NA		04/26 19:00	EC	Y	WATER
A6445402	AP-MW-5B	RECNY	Sulfate	300.0	2.0		04/26/06 09:55	04/26 12:18	NA		05/03 13:37	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		04/26/06 09:55	04/26 12:18	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/26/06 09:55	04/26 12:18	NA		04/28 16:29	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		04/26/06 09:55	04/26 12:18	NA		04/26 19:00	EC	Y	WATER
A6445403	AP-MW-6B	RECNY	Sulfate	300.0	5.0		04/26/06 08:05	04/26 12:18	NA		05/03 13:37	SS	Y	WATER
		RECNY	Ammonia	350.1	1.0		04/26/06 08:05	04/26 12:18	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/26/06 08:05	04/26 12:18	NA		04/28 16:29	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		04/26/06 08:05	04/26 12:18	NA		04/26 19:00	EC	Y	WATER
A6445404	AP-MW-7B	RECNY	Sulfate	300.0	1.0		04/26/06 10:20	04/26 12:18	NA		04/28 15:25	SM	Y	WATER
		RECNY	Ammonia	350.1	1.0		04/26/06 10:20	04/26 12:18	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/26/06 10:20	04/26 12:18	NA		04/28 16:29	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		04/26/06 10:20	04/26 12:18	NA		04/26 19:00	EC	Y	WATER
A6445405	AP-MW-8B	RECNY	Sulfate	300.0	1.0		04/26/06 09:07	04/26 12:18	NA		04/28 15:25	SM	Y	WATER
		RECNY	Ammonia	350.1	1.0		04/26/06 09:07	04/26 12:18	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/26/06 09:07	04/26 12:18	NA		04/28 16:29	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		04/26/06 09:07	04/26 12:18	NA		04/26 19:00	EC	Y	WATER
A6445406	AP-RB-01	RECNY	Sulfate	300.0	1.0		04/26/06 11:05	04/26 12:18	NA		04/28 15:25	SM	Y	WATER
		RECNY	Ammonia	350.1	1.0		04/26/06 11:05	04/26 12:18	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/26/06 11:05	04/26 12:18	NA		04/28 16:29	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		04/26/06 11:05	04/26 12:18	NA		04/26 19:00	EC	Y	WATER
A6445407	AP-SS-01	RECNY	Sulfate	300.0	1.0		04/26/06 10:55	04/26 12:18	NA		04/28 15:25	SM	Y	WATER
		RECNY	Ammonia	350.1	2.0		04/26/06 10:55	04/26 12:18	NA		04/28 11:03	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/26/06 10:55	04/26 12:18	NA		04/28 16:29	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		04/26/06 10:55	04/26 12:18	NA		04/26 19:00	EC	Y	WATER
A6445408	AP-SS-02	RECNY	Sulfate	300.0	1.0		04/26/06 11:00	04/26 12:18	NA		04/28 15:25	SM	Y	WATER
		RECNY	Ammonia	350.1	1.0		04/26/06 11:00	04/26 12:18	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/26/06 11:00	04/26 12:18	NA		04/28 16:29	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		04/26/06 11:00	04/26 12:18	NA		04/26 19:00	EC	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
A6445409	AP-SWB-01	RECNY	Sulfate	300.0	1.0		04/26/06 07:15	04/26 12:18	NA		04/28 15:25	SM	Y	WATER
		RECNY	Ammonia	350.1	1.0		04/26/06 07:15	04/26 12:18	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/26/06 07:15	04/26 12:18	NA		04/28 16:29	LRM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		04/26/06 07:15	04/26 12:18	NA		04/26 19:00	EC	Y	WATER

81/128

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
A6B1779102	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	-	-	NA		04/26 12:30	KD	Y	WATER
A6B1781202	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	-	-	NA		04/26 19:00	EC	Y	WATER
A6B1785302	Method Blank	RECNY	Sulfate	300.0	1.0			-	-	NA		04/28 15:25	SM	Y	WATER
A6B1787102	Method Blank	RECNY	Ammonia	350.1	1.0			-	-	NA		04/27 11:07	ERK	Y	WATER
		RECNY	Ammonia	350.1	1.0			-	-	NA		04/27 11:07	ERK	Y	WATER
A6B1788102	Method Blank	RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		04/27 17:22	LRM	Y	WATER
A6B1794502	Method Blank	RECNY	Ammonia	350.1	1.0			-	-	NA		04/28 11:03	ERK	Y	WATER
A6B1794902	Method Blank	RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		04/28 16:29	LRM	Y	WATER
A6B1813502	Method Blank	RECNY	Sulfate	300.0	1.0			-	-	NA		05/02 10:49	SS	Y	WATER
A6B1821502	Method Blank	RECNY	Sulfate	300.0	1.0			-	-	NA		05/03 13:37	SS	Y	WATER
		RECNY	Sulfate	300.0	1.0			-	-	NA		05/03 13:37	SS	Y	WATER

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

ANL INI = Analyst Initials
DF = Dilution Factor

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Greenstar Eng. PC	Project Manager: Chip McLeod	Date: 04/26/06	Chain of Custody Number: 252170
Address: 6 Gellatly Dr.	Telephone Number (Area Code)/Fax Number: 845-223-9944 / 845-223-9955	Lab Number:	Page 1 of 1
City: Wappingers Falls; State: NY; Zip Code: 12590	Site Contact:	Lab Contact:	
Project Name and Location (State): AIRCO Parcel Niagara Falls, 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: AMMONIA	me	TPHenols	TSS	SO4	CR6	WQ
AP-SWB-01	04/26/06	07:15		X			1	2	2				X	X	X	X	X	X	X
AP-MW-6B	04/26/06	08:05		X			1	2	2				X	X	X	X	X	X	X
AP-MW-8B	04/26/06	09:07		X			1	2	2				X	X	X	X	X	X	X
AP-MW-4B	04/26/06	09:30		X			1	2	2				X	X	X	X	X	X	X
AP-MW-5B	04/26/06	09:55		X			1	2	2				X	X	X	X	X	X	X
AP-MW-7B	04/26/06	10:20		X			1	2	2				X	X	X	X	X	X	X
AP-SS-01	04/26/06	10:55		X			1	2	2				X	X	X	X	X	X	X
AP-SS-02	04/26/06	11:00		X			1	2	2				X	X	X	X	X	X	X
AP-RB-01	04/26/06	11:05		X			1	2	2				X	X	X	X	X	X	X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [X] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [X] 21 Days [ ] Other ____ (-6)

QC Requirements (Specify)

1. Relinquished By: Steven Butler	Date: 04/26/06	Time: 12:18	1. Received By:	Date: 4-26-06	Time: 12:18
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 2.6°C

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

83/128

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: GREENSTAR Engineering PC	Project Manager: CHARLES E McLEOD	Date: 04/25/06	Chain of Custody Number: 252173
Address: 6 GELLATLY DR.	Telephone Number (Area Code)/Fax Number: 845-223-4944 / 845-223-4955	Lab Number:	Page 1 of 1
City: Wappingers Falls; State: NY; Zip Code: 12590	Site Contact:	Lab Contact:	
Project Name and Location (State): NIAGARA FALLS, 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: VOC	TSS	Ammonia	SCN	Cr+6	WQ	Tphenols	Special Instructions/ Conditions of Receipt
AP-MW-1B	04/25/06	14:24		X			1	2	2				X	X	X	X	X	X	X	
AP-MW-2B	04/25/06	15:28		X			1	2	2				X	X	X	X	X	X	X	
AP-MW-3B	04/25/06	16:22		X			1	2	2				X	X	X	X	X	X	X	
AP-DUP-01	04/25/06	[illegible]		X			1	2	2				X	X	X	X	X	X	X	

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [X] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [X] 21 Days [ ] Other ____

QC Requirements (Specify):

1. Relinquished By: C E McLeod	Date	Time	1. Received By: STL	Date: 04/25/06	Time: 1805
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 2.0°C

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

84/128

Appendix A

A06- 86/128

SEVERN TRENT STL

ANALYTICAL REPORT

JOB NUMBER: 212788

Prepared For:

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

Project: NY5A9582

Attention: Jason Kacalski

Date: 05/16/2006

Signature

Date 05/16/06

Name: Erin A. Gaus

Title: Project Manager

E-Mail: egaus@stl-inc.com

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (23) Pages

SEVERN TRENT STL

STL Report : 212788
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: 05/16/2006

Job Number.: 212788
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
212788-1	AP-MW-4B	Water	04/26/2006	09:30	05/03/2006	09:40
212788-2	AP-MW-5B	Water	04/26/2006	09:55	05/03/2006	09:40
212788-3	AP-MW-6B	Water	04/26/2006	08:05	05/03/2006	09:40
212788-4	AP-MW-7B	Water	04/26/2006	10:20	05/03/2006	09:40
212788-5	AP-MW-8B	Water	04/26/2006	09:07	05/03/2006	09:40
212788-6	AP-RB-01	Water	04/26/2006	11:05	05/03/2006	09:40
212788-7	AP-SS-01	Water	04/26/2006	10:55	05/03/2006	09:40
212788-8	AP-SS-02	Water	04/26/2006	11:00	05/03/2006	09:40
212788-9	AP-SWB-01	Water	04/26/2006	07:15	05/03/2006	09:40

Job Number: 212788

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-MW-4B
Date Sampled.....: 04/26/2006
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 212788-1
Date Received.....: 05/03/2006
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, Total	6810			1000	5000	10	ug/L	65693		05/09/06 1843	nnp

* In Description = Dry Wgt.

Job Number: 212788

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-MW-5B
Date Sampled.....: 04/26/2006
Time Sampled.....: 09:55
Sample Matrix.....: Water

Laboratory Sample ID: 212788-2
Date Received.....: 05/03/2006
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, Total	8090			1000	5000	10	ug/L	65693		05/09/06 1849	nnp

* In Description = Dry Wgt.

Job Number: 212788

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-MW-68
Date Sampled.....: 04/26/2006
Time Sampled.....: 08:05
Sample Matrix.....: Water

Laboratory Sample ID: 212788-3
Date Received.....: 05/03/2006
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, Total	5920			1000	5000	10	ug/L	65693		05/09/06 1855	nnp

* In Description = Dry Wgt.

Job Number: 212788

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-MW-7B
Date Sampled.....: 04/26/2006
Time Sampled.....: 10:20
Sample Matrix.....: Water

Laboratory Sample ID: 212788-4
Date Received.....: 05/03/2006
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, Total	7110			1000	5000	10	ug/L	65693		05/09/06 1901	nnp

* In Description = Dry Wgt.

Job Number: 212788

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-MW-8B
Date Sampled.....: 04/26/2006
Time Sampled.....: 09:07
Sample Matrix.....: Water

Laboratory Sample ID: 212788-5
Date Received.....: 05/03/2006
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, Total	7490			1000	5000	10	ug/L	65693		05/09/06 1907	nnp

* In Description = Dry Wgt.

Job Number: 212788

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-RB-01
Date Sampled.....: 04/26/2006
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 212788-6
Date Received.....: 05/03/2006
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, Total	4240	B		1000	5000	10	ug/L	65693		05/09/06 1913	nnp

* In Description = Dry Wgt.

Job Number: 212788

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-SS-01
Date Sampled.....: 04/26/2006
Time Sampled.....: 10:55
Sample Matrix.....: Water

Laboratory Sample ID: 212788-7
Date Received.....: 05/03/2006
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, Total	ND	U		1000	5000	10	ug/L	65693		05/09/06 1919	nnp

* In Description = Dry Wgt.

Job Number: 212788

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-SS-02
Date Sampled.....: 04/26/2006
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 212788-8
Date Received.....: 05/03/2006
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, Total	2930	B		1000	5000	10	ug/L	65693		05/09/06 1925	nnp

* In Description = Dry Wgt.

STL CONNECTICUT

Job Number: 212788

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-SWB-01
Date Sampled.....: 04/26/2006
Time Sampled.....: 07:15
Sample Matrix.....: Water

Laboratory Sample ID: 212788-9
Date Received.....: 05/03/2006
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, Total	4190	B		1000	5000	10	ug/L	65693		05/09/06 1931	nnp

* In Description = Dry Wgt.

SEVERN TRENT STL

LABORATORY CHRONICLE

Job Number: 212788 Date: 05/16/2006

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

Lab ID: 212788-1 Client ID: AP-MW-4B Date Recvd: 05/03/2006 Sample Date: 04/26/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 1843	10

Lab ID: 212788-2 Client ID: AP-MW-5B Date Recvd: 05/03/2006 Sample Date: 04/26/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 1849	10

Lab ID: 212788-3 Client ID: AP-MW-6B Date Recvd: 05/03/2006 Sample Date: 04/26/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 1855	10

Lab ID: 212788-4 Client ID: AP-MW-7B Date Recvd: 05/03/2006 Sample Date: 04/26/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 1901	10

Lab ID: 212788-5 Client ID: AP-MW-8B Date Recvd: 05/03/2006 Sample Date: 04/26/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 1907	10

Lab ID: 212788-6 Client ID: AP-RB-01 Date Recvd: 05/03/2006 Sample Date: 04/26/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 1913	10

Lab ID: 212788-7 Client ID: AP-SS-01 Date Recvd: 05/03/2006 Sample Date: 04/26/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 1919	10

Lab ID: 212788-8 Client ID: AP-SS-02 Date Recvd: 05/03/2006 Sample Date: 04/26/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 1925	10

Lab ID: 212788-9 Client ID: AP-SWB-01 Date Recvd: 05/03/2006 Sample Date: 04/26/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 1931	10

QUALITY CONTROL RESULTS

Job Number.: 212788 Report Date.: 05/15/2006

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M06ELCS001	65498-002		05/09/2006	1232

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 65693

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Silicon	ug/L	244.77	B		230.00		106	%	80-120	

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

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

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

STL CONNECTICUT

Client	Project Manager	Date	Chain of Custody Number
Greenstar ENG. PC	Chip McLeod	04/26/06	252170
Address 6 Gellatly Dr.	**Telephone Number (Area Code)/Fax Number** 845-223-9944 / 845-223-9953	**Lab Number**	**Page** 1 of 1
City Wappingers Falls	**State** NY	**Zip Code** 12590	**Site Contact**	**Lab Contact**
Project Name and Location (State) AIRCO Parcel Niagara Falls, 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: AMMONIA	Me	TPHenols	TSS	SO4	CRG	WQ
AP-SWB-01	04/26/06	07:15		X			1	2	2				X	X	X	X	X	X	X
AP-MW-6B	04/26/06	08:05		X			1	2	2				X	X	X	X	X	X	X
AP-MW-8B	04/26/06	09:07		X			1	2	2				X	X	X	X	X	X	X
AP-MW-4B	04/26/06	09:30		X			1	2	2				X	X	X	X	X	X	X
AP-MW-5B	04/26/06	09:55		X			1	2	2				X	X	X	X	X	X	X
AP-MW-7B	04/26/06	10:20		X			1	2	2				X	X	X	X	X	X	X
AP-SS-01	04/26/06	10:55		X			1	2	2				X	X	X	X	X	X	X
AP-SS-02	04/26/06	11:00		X			1	2	2				X	X	X	X	X	X	X
AP-RB-01	04/26/06	11:05		X			1	2	2				X	X	X	X	X	X	X

Special Instructions/ Conditions of Receipt

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
1. Relinquished By	Steven Battle	04/26/06	12:18
2. Relinquished By			
3. Relinquished By			
1. Received By			
2. Received By			
3. Received By			

Comments: 2.6°C

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

STL CONNECTICUT

Client: Greenstar Environmental Solutions, LLC
Project: NY5A9582
Quote: NY05-605
SM #: 291

PM: Jason R. Kacalski
Due Date: 05/08/2006
Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
AP-MW-4B (1)	A6445601	WATER	T SI	1-8ozP	04/26/2006 09:30
AP-MW-5B (2)	A6445602	WATER	T SI	1-8ozP	04/26/2006 09:55
AP-MW-6B (3)	A6445603	WATER	T SI	1-8ozP	04/26/2006 08:05
AP-MW-7B (4)	A6445604	WATER	T SI	1-8ozP	04/26/2006 10:20
AP-MW-8B (5)	A6445605	WATER	T SI	1-8ozP	04/26/2006 09:07
AP-RB-01 (6)	A6445606	WATER	T SI	1-8ozP	04/26/2006 11:05
AP-SS-01 (7)	A6445607	WATER	T SI	1-8ozP	04/26/2006 10:55
AP-SS-02 (8)	A6445608	WATER	T SI	1-8ozP	04/26/2006 11:00
AP-SWB-01 (9)	A6445609	WATER	T SI	1-8ozP	04/26/2006 07:15

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - CT (Shelton): Signature(s)	Date	Time
(1) [signature]	4/28/2006	0845	(3)	/ /20	
(2)	/ /20		(4) [signature]	5/3/2006	0940

212788 05/15/2006

SEVERN TRENT LABORATORIES-BUFFALO
JASON KACALSKI

"PASSED RAD SCREEN"
2.7°C

1630
652-m

104/128

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 212788 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 05/03/2006
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	2.7C
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?	N	
Comments		
If samples were shipped was there an air bill #?	Y	FEDEX
Sample Custodian Signature/Date		KBlum 5/3/06

Page 1

STL CONNECTICUT

STL/CT PRESERVATIVE RECORD

212788 05/15/2006

SEVERN TRENT LABORATORIES-BUFFALO
JASON KACALSKI

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
212788-01	HNO3	<2	N/A	N/A	N/A	KB	5/3/06
02		<2					
03		<2					
04		<2					
05		<2					
06		<2					
07		<2					
08		<2					
212788-09	HNO3	<2	N/A	N/A	N/A	KB	5/3/06
			KB 5/3/06	5/3/06			

STL Form# SMF00203.CT

STL CONNECTICUT

STL - Connecticut
Internal Chain-of-Custody

212788 05/15/2006

SEVERN TRENT LABORATORIES-BUFFALO
JASON KACALSKI

Trip Blank: —

QC: — Air: —

FB: —

Soil: — Water: 01-09

Date Received: 5/3/06

Sample #s: 01-09

Locations: SED

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-9	CP	BC	5/4	1130	MTL	BC		5/4	1700

STL Form# SMF00507.CT

SEVERN TRENT STL

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number 212789 Sample Numbers 1-9

(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 5/5/06 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] 5/15/06 ICP

Chemist Date(s) Mercury

I have reviewed and authorized the release of the job:

Complete: [signature] 5/9/06
Supervisor Date

QAF02600.CT

SEVERN TRENT STL

ANALYTICAL REPORT

JOB NUMBER: 212789

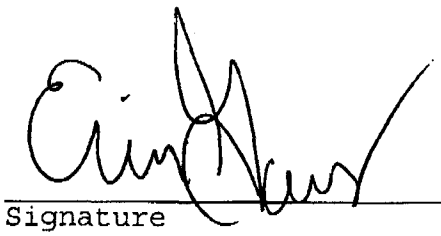
Prepared For:

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

Project: NY5A9582

Attention: Jason Kacalski

Date: 05/16/2006



Signature

05/16/06

Date

Name: Erin A. Gaus

Title: Project Manager

E-Mail: egaus@stl-inc.com

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (20) Pages

SEVERN TRENT STL

STL Report : 212789
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: 05/16/2006

Job Number.: 212789
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
212789-1	AP-DUP-01	Water	04/25/2006	00:00	05/03/2006	09:40
212789-2	AP-MW-1B	Water	04/25/2006	14:24	05/03/2006	09:40
212789-3	AP-MW-2B	Water	04/25/2006	15:28	05/03/2006	09:40
212789-4	AP-MW-3B	Water	04/25/2006	16:22	05/03/2006	09:40

Job Number: 212789

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-DUP-01
Date Sampled.....: 04/25/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212789-1
Date Received.....: 05/03/2006
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, Total	1030	B		1000	5000	10	ug/L	65693		05/09/06 1937	nnp

* In Description = Dry Wgt.

Job Number: 212789

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-MW-1B
Date Sampled.....: 04/25/2006
Time Sampled.....: 14:24
Sample Matrix.....: Water

Laboratory Sample ID: 212789-2
Date Received.....: 05/03/2006
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, Total	6950			1000	5000	10	ug/L	65693		05/09/06 1955	nnp

* In Description = Dry Wgt.

Job Number: 212789

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-MW-2B
Date Sampled.....: 04/25/2006
Time Sampled.....: 15:28
Sample Matrix.....: Water

Laboratory Sample ID: 212789-3
Date Received.....: 05/03/2006
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, Total	ND	U		1000	5000	10	ug/L	65693		05/09/06 2001	nnp

* In Description = Dry Wgt.

Job Number: 212789

LABORATORY TEST RESULTS

Date:05/15/2006

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

Customer Sample ID: AP-MW-3B
Date Sampled.....: 04/25/2006
Time Sampled.....: 16:22
Sample Matrix.....: Water

Laboratory Sample ID: 212789-4
Date Received.....: 05/03/2006
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, Total	9160			1000	5000	10	ug/L	65693		05/09/06 2007	nnp

* In Description = Dry Wgt.

SEVERN TRENT STL

LABORATORY CHRONICLE

Job Number: 212789 Date: 05/16/2006

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

Lab ID: 212789-1 Client ID: AP-DUP-01 Date Recvd: 05/03/2006 Sample Date: 04/25/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 1937	10

Lab ID: 212789-2 Client ID: AP-MW-1B Date Recvd: 05/03/2006 Sample Date: 04/25/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 1955	10

Lab ID: 212789-3 Client ID: AP-MW-2B Date Recvd: 05/03/2006 Sample Date: 04/25/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 2001	10

Lab ID: 212789-4 Client ID: AP-MW-3B Date Recvd: 05/03/2006 Sample Date: 04/25/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3010A	Acid Digestion (ICAP)	1	65387		05/04/2006 0000	
6010B	Metals Analysis (ICAP Trace)	1	65693	65387	05/09/2006 2007	10

QUALITY CONTROL RESULTS

Job Number.: 212789 Report Date.: 05/15/2006

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M06ELCS001	65498 -002		05/09/2006	1232

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 65693

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Silicon	ug/L	244.77	B	230.00		106	%	80-120	

QUALITY CONTROL RESULTS

Job Number.: 212789 Report Date.: 05/15/2006

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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		65498 -001		05/09/2006	1226

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 65693

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

Page 22 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 212789 Report Date.: 05/15/2006

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		212797-7		05/09/2006	1308

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 65693

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Silicon	ug/L	8704.45			8601.43	1.2		20.0	

Page 23 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY ASSURANCE METHODS

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*	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

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

STL CONNECTICUT

Client: GREENSTAR Engineering PC	Project Manager: CHARLES E McLEOD	Date: 04/25/06	Chain of Custody Number: 252173
Address: 6 Gellatly Dr.	Telephone Number (Area Code)/Fax Number: 845-223-9944 / 845-223-9955	Lab Number:	Page 1 of 1
City: Wappingers Falls; State: NY; Zip Code: 12590	Site Contact:	Lab Contact:	
Project Name and Location (State): NIAGARA Falls, 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.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: me	TSi	Ammonia	SOH	Crt6	WQ	Tphenols	Special Instructions/ Conditions of Receipt
AP-MW-1B	04/25/06	14:24	X				1	2	2				X	X	X	X	X	X	X	
AP-MW-2B	04/25/06	15:28	X				1	2	2				X	X	X	X	X	X	X	
AP-MW-3B	04/25/06	16:22	X				1	2	2				X	X	X	X	X	X	X	
AP-DUP-01	04/25/06	[illegible]	X				1	2	2				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

6 ☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: [signature]	Date	Time	1. Received By: [signature]	Date: 04/25/06	Time: 1805
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

2.0°C

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

STL CONNECTICUT

Client: Greenstar Environmental Solutions, LLC
Project: NY5A9582
Quote: NY05-605
SM #: 298

PM: Jason R. Kacalski
Due Date: 05/05/2006
Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
AP-DUP-01 (1)	A6456601	WATER	T SI	1-8ozP	04/25/2006
AP-MW-1B (2)	A6456602	WATER	T SI	1-8ozP	04/25/2006 14:24
AP-MW-2B (3)	A6456603	WATER	T SI	1-8ozP	04/25/2006 15:28
AP-MW-3B (4)	A6456604	WATER	T SI	1-8ozP	04/25/2006 16:22

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - CT (Shelton): Signature(s)	Date	Time
(1) D. C	4/28/2006	0845	(3)	/ /20	
(2)	/ /20		(4) K Blackburn	5/3/2006	0940

212789 05/15/2006
SEVERN TRENT LABORATORIES-BUFFALO
JASON KACALSKI

"PASSED RAD SCREEN"
2.7uc

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 212789 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 05/03/2006
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	2.7C
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?	N	
Comments		
If samples were shipped was there an air bill #?	Y	FEDEX
Sample Custodian Signature/Date		KBlum 5/3/06

Page 1

STL CONNECTICUT

STL/CT PRESERVATIVE RECORD

212789 05/15/2006

SEVERN TRENT LABORATORIES-BUFFALO
JASON KACALSKI

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
212789-01	HNO3	<2	N/A	N/A	N/A	KB	5/3/06
02	"	<2	"	"	"	"	"
03	"	<2	"	"	"	"	"
212789-04	HNO3	<2	N/A	N/A	N/A	KB	5/3/06

KB 5/3/06

STL Form# SMF00203.CT

STL CONNECTICUT

STL - Connecticut
Internal Chain-of-Custody

212789 05/15/2006

SEVERN TRENT LABORATORIES-BUFFALO
JASON KACALSKI

Trip Blank: —

QC: — Air: ____

FB: —

Soil: — Water: 01-04

Date Received: 5/3/06

Sample #s: 01-04

Locations: 88D

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-4	CP	BC	5/4	1130	MTL	BC		5/9	1500

STL Form# SMF00507.CT

SEVERN TRENT STL

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number 212739 Sample Numbers 1-4

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		5/5/06	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]		5/15/06	ICP
			Mercury
Chemist		Date(s)	

I have reviewed and authorized the release of the job:

Complete: [signature] 5/15/06
Supervisor Date

QAF02600.CT

Attachment E

Landfill Cap Inspection Checklists
March and June 2006

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

Personnel:	Chip McLeod - Greenstar Engineering, PC
Date:	1st Quarter Inspection (March 15 2006)
Weather:	Sunny, Windy, 37 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.
4. **Identification of seeps, rooted vegetation (trees), and/or animal burrows.**
   Rooted vegetation noted in the drainage swales. These will be removed during 2006.
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 fall of 2006. New locks to be installed on all wells, and fence gates. Some locks no longer work.
6. **Inspection of stormwater drainage swales for erosion, sloughing, or flow-through.**
   Some sedimentation noted in the swales, but nothing that is impeding flow or requires maintenance at this time.
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 in good shape. Vegetation is taking over the roads, but no need to use herbicides. Roads are still usable.

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

Personnel:	Chip McLeod - Greenstar Engineering, PC
Date:	2nd Quarter Inspection (June 9 2006)
Weather:	Sunny, 75 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. These will be removed during the October 2006 mowing.

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 fall of 2006. New locks were installed in April 2006 to address the issue. New locks were placed on all monitoring wells, and two fence gates.

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 form 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 in good shape. Vegetation is taking over the roads, but no need to use herbicides. Roads are still usable.

Attachment F

Laboratory Analytical Results for GCTS Discharge Sampling March and June 2006

Attachment F.1

March 2006

ANALYTICAL REPORT

Job#: A06-2392

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

03/21/2006

STL Buffalo
Current Certifications

As of 12/28/2005

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	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	C254
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
A6239201	AP-EWE-3606	WATER	03/06/2006	14:00	03/06/2006	16:30
A6239202	TRIP BLANK	WATER	03/06/2006		03/06/2006	16:30

METHODS SUMMARY

Job#: A06-2392

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#: A06-2392

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

A06-2392
Sample Cooler(s) were received at the following temperature(s); 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

The requested reporting limit for Total Dissolved Solids is below STL's standard reporting limit. It must be noted that results reported below STL's standard reporting limit may result in false positive/false negative results, less accurate quantitation and potential misidentification at the lower concentrations. Therefore, no corrective action has been taken for any detections between the requested reporting limit and STLs standard reporting limit.

****

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
AP-EWE-3606	A6239201	Ammonia	2.00	008

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

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-3606
Lab Sample ID: A6239201
Date Collected: 03/06/2006
Time Collected: 14:00

Date Received: 03/06/2006
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	03/12/2006 01:38	BJ
Trichloroethene	ND		5.0	UG/L	624	03/12/2006 01:38	BJ
Metals Analysis							
Barium - Total	ND		2000	UG/L	200.7	03/09/2006 15:14	TWS
Chromium - Total	ND		100	UG/L	200.7	03/09/2006 15:14	TWS
Copper - Total	ND		14.7	UG/L	200.7	03/09/2006 15:14	TWS
Iron - Total	9990		300	UG/L	200.7	03/09/2006 15:14	TWS
Nickel - Total	ND		70.0	UG/L	200.7	03/09/2006 15:14	TWS
Selenium - Total	9.4		4.6	UG/L	200.8	03/08/2006 22:06	SW
Thallium - Total	ND		4.0	UG/L	200.8	03/08/2006 22:06	SW
Zinc - Total	ND		115	UG/L	200.7	03/09/2006 15:14	TWS
Wet Chemistry Analysis							
Ammonia	ND		18.4	MG/L-N	350.1	03/07/2006 10:00	ERK
Biochemical Oxygen Demand	ND		5.0	MG/L	405.1	03/07/2006 19:02	KW
Chemical Oxygen Demand	ND		40.0	MG/L	410.4	03/07/2006 12:00	KD
Dissolved Oxygen	ND		7.0	MG/L	360.1	03/07/2006 14:30	KW
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	03/07/2006 10:45	KD
Nitrite	ND		0.050	MG/L-N	353.2	03/08/2006 07:04	LRM
Nitrogen, Nitrate	0.22		0.050	MG/L-N	353.2	03/08/2006 07:04	LRM
pH	6.84		0.100	S.U.	9040	03/07/2006 09:41	LRM
Total Dissolved Solids	1330		4.0	MG/L	160.1	03/07/2006 14:25	ML
Total Kjeldahl Nitrogen	6.5		1.0	MG/L-N	351.2	03/09/2006 11:36	LRM
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	03/08/2006 09:14	LRM
Total Suspended Solids	19.0		10	MG/L	160.2	03/07/2006 12:30	KD

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

Sample ID: TRIP BLANK
Lab Sample ID: A6239202
Date Collected: 03/06/2006
Time Collected: :

Date Received: 03/06/2006
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	03/12/2006 02:08	BJ
Trichloroethene	ND		5.0	UG/L	624	03/12/2006 02:08	BJ

Batch Quality Control Data

Lab Sample ID: A6230612 A6230612MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA - W	MG/L-N	0.243	0.431	0.200	94	54-150

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

Lab Sample ID: A6235501 A6235501MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
410.4 CHEMICAL OXYGEN DEMAND.SOLUBLE -	MG/L	0	45.80	50.00	92	70-120

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

Lab Sample ID: A6235519 A6235519MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
410.4 CHEMICAL OXYGEN DEMAND.SOLUBLE -	MG/L	4.00	66.00	50.00	124 *	70-120

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

Lab Sample ID: A6238905 A6238905MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 351.2 - TOTAL KJELDAHL NITROGEN	MG/L-N	0.0450	1.07	1.00	103	72-127

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

Lab Sample ID: A6239001 A6239001MS A6239001SD

Analyte	Units of Measure	Concentration Sample	Matrix Spike	Spike Duplicate	Spike Amount MS	MSD	% Recovery MS	MSD	Avg	% RPD	QC LIMITS RPD	REC.
WET CHEMISTRY ANALYSIS												
ALLIED - METHOD 350.1 - AMMONIA - W	MG/L-N	0.0116	0.215	0.235	0.200	0.200	102	112	107	9	20.0	54-150
ALLIED - METHOD 351.2 - TOTAL KJELDAHL	MG/L-N	0.761	2.21	2.19	1.00	1.00	145 *	143 *	144	1	27.0	72-127
ALLIED - METHOD 353.2 - NITRATE - W	MG/L-N	0.0104	0.929	0.942	1.00	1.00	92	93	93	1	20.0	77-123
ALLIED-METH 9066 TOTAL RECOVERABLE PHE	MG/L	0.00300	0.110	0.0810	0.100	0.100	107	78	93	31 *	20.0	60-143
METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	0	187.7	183.2	198.0	198.0	95	92	94	3	20.0	22-178

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

Lab Sample ID: A6239101 A6239101MS A6239101SD

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 ALLIED - METHOD 410.1 CHEMICAL OXYGEN	MG/L	16.40	77.00	79.60	50.00	50.00	121 *	126 *	124	4	20.0	90-110

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

Date: 03/21/2006 14:19:51
Batch No: A6B14794

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A6239315 A6239315MS A6239315SD

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												
ALLIED - METHOD 350.1 - AMMONIA - W	MG/L-N	0	0.189	0.185	0.200	0.200	95	93	94	2	20.0	54-150
ALLIED - METHOD 353.2 - NITRATE - W	MG/L-N	0.0772	1.11	1.12	1.00	1.00	104	104	104	0	20.0	77-123
ALLIED-METH 9066 TOTAL RECOVERABLE PHE	MG/L	0	0.0900	0.105	0.100	0.100	90	105	98	15	20.0	60-143
METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	0	168.5	175.9	198.0	198.0	85	89	87	4	20.0	22-178

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

Lab Sample ID: A6239509 A6239509MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
WVDP-3500 CR-D/T REC HEX CHROMIUM - W	UG/L	0	44.00	50.00	88	85-115

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

Lab Sample ID: A6240004 A6240004MS

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	3.97	161.9	198.0	80	22-178

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

Lab Sample ID: A6240006 A6240006MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
ALLIED - HEXAVALENT CHROMIUM - W	MG/L	0	0.0480	0.0500	96	75-120

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

Chronology and QC Summary Package

Client ID		Vblk06							
Job No	Lab ID	A06-2392	A6B1515602						
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	%	99	71-125	NA		NA		NA	
1,2-Dichloroethane-D4	%	99	83-132	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A06-2392	A6B1481602						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Copper - Total	UG/L	ND	14.7	NA		NA		NA	
Nickel - Total	UG/L	ND	70.0	NA		NA		NA	
Zinc - Total	UG/L	ND	115	NA		NA		NA	
Barium - Total	UG/L	ND	2000	NA		NA		NA	
Chromium - Total	UG/L	ND	100	NA		NA		NA	
Iron - Total	UG/L	ND	300	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A06-2392	A6B1481702						
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		A06-2392	A6B1479402	A06-2392	A6B1480102	A06-2392	A6B1482901	A06-2392	A6B1483102
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	
Dissolved Oxygen	MG/L	NA		NA		8.6	7.0	NA	
Biochemical Oxygen Demand	MG/L	NA		NA		NA		ND	5.0

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No / Lab ID		A06-2392	A6B1483602	A06-2392	A6B1484002	A06-2392	A6B1484202	A06-2392	A6B1484402
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	
Total Dissolved Solids	MG/L	NA		ND	10	NA		NA	
Total Suspended Solids	MG/L	NA		NA		ND	10	NA	
Hexavalent Chromium - Total	UG/L	NA		NA		NA		ND	11.0

Client ID		Method Blank		Method Blank					
Job No / Lab ID		A06-2392	A6B1485902	A06-2392	A6B1486402				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrite	MG/L-N	ND	0.050	NA		NA		NA	
Total Kjeldahl Nitrogen	MG/L-N	NA		ND	1.0	NA		NA	
Nitrogen, Nitrate	MG/L-N	ND	0.050	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VblkO6 MSBO6
Lab Sample ID: A6B1515602 A6B1515601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 624 - PRIORITY POLLUTANT VOLATILE					
1,1-Dichloroethane	UG/L	19.7	20.0	98	73-128
Trichloroethene	UG/L	19.3	20.0	97	67-134

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

Client Sample ID: Method Blank LFB
Lab Sample ID: A6B1481602 A6B1481601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
8 DISCHARGE METALS					
TOTAL BARIUM	UG/L	209.7	200.0	105	85-115
TOTAL CHROMIUM	UG/L	198.7	200.0	99	85-115
TOTAL COPPER	UG/L	205.8	200.0	103	85-115
TOTAL IRON	UG/L	9936	10000	99	85-115
TOTAL NICKEL	UG/L	202.3	200.0	101	85-115
TOTAL ZINC	UG/L	205.9	200.0	102	85-115

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

Client Sample ID: Method Blank LFB
Lab Sample ID: A6B1481702 A6B1481701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
200.8 DISCHARGE METALS					
200.8 TOTAL SELENIUM	UG/L	19.41	20.00	97	85-115
TOTAL THALLIUM	UG/L	19.84	20.00	99	85-115

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

Client Sample ID: Method Blank
Lab Sample ID: A6B1479402

LCS
A6B1479401

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: A6B1480102 A6B1480101

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	272.0	300.0	90	90-110

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B1483102 A6B1483101

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	196.2	198.0	99	85-115

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

Client Sample ID: Method Blank | LCS
Lab Sample ID: A6B1483602 | A6B1483601

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	22.90	25.00	92	90-110

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B1484202 A6B1484201

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	499.0	520.0	96	88-110

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B1484402 A6B1484401

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 LCS
Lab Sample ID: A6B1485902 A6B1485901

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	2.50	2.50	100	90-110

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

Client Sample ID: Method Blank
Lab Sample ID: A6B1486402

LCS
A6B1486401

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	5.00	5.00	98	90-110

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

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID Job No & Lab Sample ID	AP-EWE-3606 A06-2392 A6239201				
Sample Date	03/06/2006 14:00				
Received Date	03/06/2006 16:30				
Extraction Date					
Analysis Date	03/12/2006 01:38				
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 A06-2392 A6239202				
Sample Date	03/06/2006				
Received Date	03/06/2006 16:30				
Extraction Date					
Analysis Date	03/12/2006 02:08				
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	Vblk06 A06-2392 A6B1515602				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	03/11/2006 10:57				
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
A6239201	AP-EWE-3606	RECNY	Barium - Total	200.7	1.0	0.05	L	03/06/06 14:00	03/06 16:30	NA		03/09 15:14	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	03/06/06 14:00	03/06 16:30	NA		03/09 15:14	TWS	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	03/06/06 14:00	03/06 16:30	NA		03/09 15:14	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	03/06/06 14:00	03/06 16:30	NA		03/09 15:14	TWS	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	03/06/06 14:00	03/06 16:30	NA		03/09 15:14	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	03/06/06 14:00	03/06 16:30	NA		03/09 15:14	TWS	Y	WATER
		RECNY	Selenium - Total	200.8	1.0	0.05	L	03/06/06 14:00	03/06 16:30	NA		03/08 22:06	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	03/06/06 14:00	03/06 16:30	NA		03/08 22:06	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
A6B1481602	Method Blank	RECNY	Barium - Total	200.7	1.0	0.05	L	-	-	NA		03/09 15:04	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	-	-	NA		03/09 15:04	TWS	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	-	-	NA		03/09 15:04	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	-	-	NA		03/09 15:04	TWS	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	-	-	NA		03/09 15:04	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	-	-	NA		03/09 15:04	TWS	Y	WATER
A6B1481702	Method Blank	RECNY	Selenium - Total	200.8	1.0	0.05	L	-	-	NA		03/08 20:45	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	-	-	NA		03/08 20:45	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
A6239201	AP-EWE-3606	RECNY	pH	9040	1.0		03/06/06 14:00	03/06 16:30	NA		03/07 09:41	LRM	Y	WATER
		RECNY	Total Kjeldahl Nitrogen	351.2	1.0		03/06/06 14:00	03/06 16:30	NA		03/09 11:36	LRM	Y	WATER
		RECNY	Nitrogen, Nitrate	353.2	1.0		03/06/06 14:00	03/06 16:30	NA		03/08 07:04	LRM	Y	WATER
		RECNY	Nitrite	353.2	1.0		03/06/06 14:00	03/06 16:30	NA		03/08 07:04	LRM	Y	WATER
		RECNY	Biochemical Oxygen Demand	405.1	1.0		03/06/06 14:00	03/06 16:30	NA		03/07 19:02	KW	Y	WATER
		RECNY	Total Dissolved Solids	160.1	1.0		03/06/06 14:00	03/06 16:30	NA		03/07 14:25	ML	Y	WATER
		RECNY	Ammonia	350.1	2.0		03/06/06 14:00	03/06 16:30	NA		03/07 10:00	ERK	Y	WATER
		RECNY	Chemical Oxygen Demand	410.4	1.0		03/06/06 14:00	03/06 16:30	NA		03/07 12:00	KD	Y	WATER
		RECNY	Total Suspended Solids	160.2	1.0		03/06/06 14:00	03/06 16:30	NA		03/07 12:30	KD	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		03/06/06 14:00	03/06 16:30	NA		03/08 09:14	LRM	Y	WATER
		RECNY	Dissolved Oxygen	360.1	1.0		03/06/06 14:00	03/06 16:30	NA		03/07 14:30	KW	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		03/06/06 14:00	03/06 16:30	NA		03/07 10:45	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
A6B1479402	Method Blank	RECNY	Ammonia	350.1	1.0		-	-	NA		03/07 10:00	ERK	Y	WATER
A6B1480102	Method Blank	RECNY	Total Recoverable Phenolics	420.2	1.0		-	-	NA		03/08 09:14	LRM	Y	WATER
A6B1482901	Method Blank	RECNY	Dissolved Oxygen	360.1	1.0		-	-	NA		03/07 14:30	KW	Y	WATER
A6B1483102	Method Blank	RECNY	Biochemical Oxygen Demand	405.1	1.0		-	-	NA		03/07 19:02	KW	Y	WATER
A6B1483602	Method Blank	RECNY	Chemical Oxygen Demand	410.4	1.0		-	-	NA		03/07 12:00	KD	Y	WATER
A6B1484002	Method Blank	RECNY	Total Dissolved Solids	160.1	1.0		-	-	NA		03/07 14:25	ML	Y	WATER
A6B1484202	Method Blank	RECNY	Total Suspended Solids	160.2	1.0		-	-	NA		03/07 12:30	KD	Y	WATER
A6B1484402	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1 L	-	-	NA		03/07 10:45	KD	Y	WATER
A6B1485902	Method Blank	RECNY	Nitrogen, Nitrate	353.2	1.0		-	-	NA		03/08 07:04	LRM	Y	WATER
		RECNY	Nitrite	353.2	1.0		-	-	NA		03/08 07:04	LRM	Y	WATER
A6B1486402	Method Blank	RECNY	Total Kjeldahl Nitrogen	351.2	1.0		-	-	NA		03/09 11:36	LRM	Y	WATER

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

ANL INI = Analyst Initials
DF = Dilution Factor

Attachment F.2

June 2006

ANALYTICAL REPORT

Job#: A06-6552

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

06/22/2006

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
A6655201	AP-EWE-01	WATER	06/08/2006	13:15	06/08/2006	17:15
A6655202	TRIP BLANK	WATER	06/08/2006		06/08/2006	17:15

METHODS SUMMARY

Job#: A06-6552

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#: A06-6552

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

A06-6552
Sample Cooler(s) were received at the following temperature(s); 2@5.6 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The analyte Copper was detected in the ICV at a level above the project established reporting limit. All samples were non-detect for this analyte, therefore, no corrective action was necessary.

Wet Chemistry Data

Samples designated for analysis of Dissolved Oxygen were received with minimal time remaining prior to holding time expiration. Samples were analyzed as soon as possible, but unfortunately all holding times were exceeded for this parameter.

The requested reporting limit for Total Dissolved Solids is below STL's standard reporting limit. It must be noted that results reported below STL's standard reporting limit may result in false positive/false negative results, less accurate quantitation and potential misidentification at the lower concentrations. Therefore, no corrective action has been taken for any detections between the requested reporting limit and STLs standard reporting limit.

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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: A6655201
Date Collected: 06/08/2006
Time Collected: 13:15

Date Received: 06/08/2006
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	06/14/2006 03:49	CDC
Trichloroethene	ND		5.0	UG/L	624	06/14/2006 03:49	CDC
Metals Analysis							
Barium - Total	ND		2000	UG/L	200.7	06/15/2006 05:24	AK
Chromium - Total	ND		100	UG/L	200.7	06/15/2006 05:24	AK
Copper - Total	ND		14.7	UG/L	200.7	06/15/2006 05:24	AK
Iron - Total	635		300	UG/L	200.7	06/15/2006 05:24	AK
Nickel - Total	ND		70.0	UG/L	200.7	06/15/2006 05:24	AK
Selenium - Total	ND		4.6	UG/L	200.8	06/20/2006 16:09	SW
Thallium - Total	ND		4.0	UG/L	200.8	06/20/2006 16:09	SW
Zinc - Total	ND		115	UG/L	200.7	06/15/2006 05:24	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	06/13/2006 10:09	ERK
Biochemical Oxygen Demand	ND		5.0	MG/L	405.1	06/09/2006 15:50	SM
Chemical Oxygen Demand	ND		40.0	MG/L	410.4	06/15/2006 11:45	KD
Dissolved Oxygen	7.5		7.0	MG/L	360.1	06/09/2006 14:35	SM
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	06/09/2006 10:30	AEG
Nitrite	ND		0.050	MG/L-N	353.2	06/09/2006 15:54	EC
Nitrogen, Nitrate	ND		0.050	MG/L-N	353.2	06/09/2006 15:54	EC
pH	7.16		0.100	S.U.	9040	06/09/2006 18:30	SM
Total Dissolved Solids	768		4.0	MG/L	160.1	06/12/2006 15:40	KD
Total Kjeldahl Nitrogen	ND		1.0	MG/L-N	351.2	06/21/2006 09:19	LRM
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	06/15/2006 13:20	LRM
Total Suspended Solids	ND		10	MG/L	160.2	06/12/2006 12:40	RM

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

Sample ID: TRIP BLANK
Lab Sample ID: A6655202
Date Collected: 06/08/2006
Time Collected: :

Date Received: 06/08/2006
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	06/14/2006 04:12	CDC
Trichloroethene	ND		5.0	UG/L	624	06/14/2006 04:12	CDC

Chronology and QC Summary Package

Client ID		VBLK09							
Job No	Lab ID	A06-6552	A6B2103602						
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	%	101	82-114	NA		NA		NA	
p-Bromofluorobenzene	%	102	71-125	NA		NA		NA	
1,2-Dichloroethane-D4	%	95	83-132	NA		NA		NA	

11\33

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A06-6552	A6B2093302						
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	
Chromium - Total	UG/L	ND	100	NA		NA		NA	
Copper - Total	UG/L	ND	14.7	NA		NA		NA	
Iron - Total	UG/L	ND	300	NA		NA		NA	
Nickel - Total	UG/L	ND	70.0	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	A06-6552	A6B2073602						
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	A06-6552	A6B2076002	A06-6552	A6B2077603	A06-6552	A6B2078902	A06-6552	A6B2087702
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 Suspended Solids	MG/L	NA		NA		NA		ND	10
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	A06-6552	A6B2087802	A06-6552	A6B2095102	A06-6552	A6B2106702	A06-6552	A6B2114602
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	ND	4.0	NA		NA		NA	
Ammonia	MG/L-N	NA		ND	9.2	NA		NA	
Total Recoverable Phenolics	UG/L	NA		NA		ND	8.0	NA	
Chemical Oxygen Demand	MG/L	NA		NA		NA		ND	40.0

Client ID		Method Blank							
Job No	Lab ID	A06-6552	A6B2122402						
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: VBLK09 MSB09
Lab Sample ID: A6B2103602 A6B2103601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 624 - PRIORITY POLLUTANT VOLATILE					
1,1-Dichloroethane	UG/L	20.0	20.0	100	73-128
Trichloroethene	UG/L	19.9	20.0	100	67-134

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

Client Sample ID: Method Blank LFB
Lab Sample ID: A6B2073602 A6B2073601

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	22.60	20.00	113	85-115
TOTAL THALLIUM	UG/L	22.85	20.00	114	85-115

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

Client Sample ID: Method Blank LFB
Lab Sample ID: A6B2093302 A6B2093301

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
8 DISCHARGE METALS					
TOTAL BARIUM	UG/L	203.2	200.0	102	85-115
TOTAL CHROMIUM	UG/L	203.5	200.0	102	85-115
TOTAL COPPER	UG/L	210.6	200.0	105	85-115
TOTAL IRON	UG/L	10058	10000	100	85-115
TOTAL NICKEL	UG/L	208.5	200.0	104	85-115
TOTAL ZINC	UG/L	198.2	200.0	98	85-115

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2076002 A6B2076001

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 LCS
Lab Sample ID: A6B2077603 A6B2077601

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	1.07	1.00	108	90-110
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.42	2.50	97	90-110

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2078902 A6B2078901

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	178.0	198.0	90	85-115

20\33

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2087702 A6B2087701

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	588.0	615.0	96	88-110

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2095102 A6B2095101

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	0.741	0.750	99	90-110

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2106702 A6B2106701

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	281.0	300.0	94	75-125

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2114602 A6B2114601

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	22.90	25.00	92	90-110

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2122402 A6B2122401

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	2.32	2.50	93	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	A06-6552 A6655201				
Sample Date	06/08/2006 13:15				
Received Date	06/08/2006 17:15				
Extraction Date					
Analysis Date	06/14/2006 03:49				
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 A06-6552 A6655202				
Sample Date	06/08/2006				
Received Date	06/08/2006 17:15				
Extraction Date					
Analysis Date	06/14/2006 04:12				
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	VBLK09				
Job No & Lab Sample ID	A06-6552 A6B2103602				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	06/13/2006 23:05				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

28\33

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
A6655201	AP-EWE-01	RECNY	Barium - Total	200.7	1.0	0.05	L	06/08/06 13:15	06/08 17:15	NA		06/15 05:24	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	06/08/06 13:15	06/08 17:15	NA		06/15 05:24	AK	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	06/08/06 13:15	06/08 17:15	NA		06/15 05:24	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	06/08/06 13:15	06/08 17:15	NA		06/15 05:24	AK	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	06/08/06 13:15	06/08 17:15	NA		06/15 05:24	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	06/08/06 13:15	06/08 17:15	NA		06/15 05:24	AK	Y	WATER
		RECNY	Selenium - Total	200.8	1.0	0.05	L	06/08/06 13:15	06/08 17:15	NA		06/20 16:09	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	06/08/06 13:15	06/08 17:15	NA		06/20 16:09	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
A6B2073602	Method Blank	RECNY	Selenium - Total	200.8	1.0	0.05	L	-	-	NA		06/20 16:00	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	-	-	NA		06/20 16:00	SW	Y	WATER
A6B2093302	Method Blank	RECNY	Barium - Total	200.7	1.0	0.05	L	-	-	NA		06/15 04:44	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	-	-	NA		06/15 04:44	AK	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	-	-	NA		06/15 04:44	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	-	-	NA		06/15 04:44	AK	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	-	-	NA		06/15 04:44	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	-	-	NA		06/15 04:44	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 (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
A6655201	AP-EWE-01	RECNY	pH	9040	1.0		06/08/06 13:15	06/08 17:15	NA		06/09 18:30	SM	Y	WATER
		RECNY	Total Kjeldahl Nitrogen	351.2	1.0		06/08/06 13:15	06/08 17:15	NA		06/21 09:19	LRM	Y	WATER
		RECNY	Nitrogen, Nitrate	353.2	1.0		06/08/06 13:15	06/08 17:15	NA		06/09 15:54	EC	Y	WATER
		RECNY	Nitrite	353.2	1.0		06/08/06 13:15	06/08 17:15	NA		06/09 15:54	EC	Y	WATER
		RECNY	Biochemical Oxygen Demand	405.1	1.0		06/08/06 13:15	06/08 17:15	NA		06/09 15:50	SM	Y	WATER
		RECNY	Total Dissolved Solids	160.1	1.0		06/08/06 13:15	06/08 17:15	NA		06/12 15:40	KD	Y	WATER
		RECNY	Ammonia	350.1	1.0		06/08/06 13:15	06/08 17:15	NA		06/13 10:09	ERK	Y	WATER
		RECNY	Chemical Oxygen Demand	410.4	1.0		06/08/06 13:15	06/08 17:15	NA		06/15 11:45	KD	Y	WATER
		RECNY	Total Suspended Solids	160.2	1.0		06/08/06 13:15	06/08 17:15	NA		06/12 12:40	RM	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		06/08/06 13:15	06/08 17:15	NA		06/15 13:20	LRM	Y	WATER
		RECNY	Dissolved Oxygen	360.1	1.0		06/08/06 13:15	06/08 17:15	NA		06/09 14:35	SM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		06/08/06 13:15	06/08 17:15	NA		06/09 10:30	AEG	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
A6B2076002	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1 L	-	-	NA		06/09 15:00	AEG	Y	WATER
A6B2077603	Method Blank	RECNY	Nitrogen, Nitrate	353.2	1.0		-	-	NA		06/09 15:54	EC	Y	WATER
		RECNY	Nitrite	353.2	1.0		-	-	NA		06/09 15:54	EC	Y	WATER
A6B2078902	Method Blank	RECNY	Biochemical Oxygen Demand	405.1	1.0		-	-	NA		06/09 15:50	SM	Y	WATER
A6B2087702	Method Blank	RECNY	Total Suspended Solids	160.2	1.0		-	-	NA		06/12 12:40	RM	Y	WATER
A6B2087802	Method Blank	RECNY	Total Dissolved Solids	160.1	1.0		-	-	NA		06/12 15:40	KD	Y	WATER
A6B2095102	Method Blank	RECNY	Ammonia	350.1	1.0		-	-	NA		06/13 10:09	ERK	Y	WATER
A6B2106702	Method Blank	RECNY	Total Recoverable Phenolics	420.2	1.0		-	-	NA		06/15 13:20	LRM	Y	WATER
A6B2114602	Method Blank	RECNY	Chemical Oxygen Demand	410.4	1.0		-	-	NA		06/15 11:45	KD	Y	WATER
A6B2122402	Method Blank	RECNY	Total Kjeldahl Nitrogen	351.2	1.0		-	-	NA		06/21 09:19	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
January–June 2006

1. INTRODUCTION

This report presents a summary of the ongoing operation and maintenance activities for the Airco Parcel site from 1 January through 30 June 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 March and June. 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, 2,462,082 gal of groundwater were treated and discharged to the wetlands adjacent to the southwest corner of the Airco Parcel property. The treatment system was operational for the of the report period, with a scheduled down period from 24 April to 3 May 2006 for system cleaning and system upgrades. During the period 1 January to 30 June, with the exception of scheduled downtime, the system operated 95 percent of the time. With the exception of January, when the system was down due to conditions from the previous report period, the system operated 97 percent of the time, and operated continuously for the last 51 days of the report period, without an alarm condition or unscheduled shutdown.

The completed System Monitoring Checklists are provided in Attachment G.1. During the report period, an estimated 4 lb of total chromium of which an estimated 3.6 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 during the report period. For future report periods, the flow meter installed in the effluent discharge line will be utilized to more accurately depict the amount of water processed by the system.

3.1 SYNOPSIS OF THE BI-ANNUAL ACTIVITIES

January 2006

The system was off-line for the first 4 days of the report period. The following details the repairs which were performed to rectify the electrical and mechanical problems.

- 3 January 2006 Greenstar and Miller Environmental Service personnel mobilized to the site to diagnose and correct multiple electrical and mechanical system problems. The following conditions were observed and corrected:

    - Variable frequency Drive (VFD) interference appears to stem from an earlier repair of the below grade electrical wiring which was performed after the fence

company severed multiple below grade wires during the original system installation. A temporary above ground line to T6 was run to stabilize the level readings. A more permanent solution will be incorporated during spring/summer weather conditions.

- A new temporary above grade electrical cable was installed to P7. The new cable was buried below the access road to prevent damage from snow plowing activities. A more permanent solution will be incorporated during spring/summer weather conditions.

- Pump failure in the iron discharge sump was determined to be a short in the electrical system installed by EA. The short was intermittent depending on moisture and temperature conditions. The wiring was re-spliced and the short eliminated.

- Heater failures and other 100V outages were attributed to an unbalanced neutral and overloading circuit breakers form multiple changes performed by the previous consultant. The neutral was balanced, and a new temporary 100V line run to the P4A shed to help prevent overloading an individual circuit breaker. No outages have resulted since this was performed. A more permanent solution will be incorporated during spring/summer weather conditions.

- High level conditions due to pumping rates form P1 exceeding system capacity. A riser was installed on T1 and the collection line directly connected in the pump station significantly reducing the amount of stormwater infiltration. Influent flow rates dissipated from >50 gallons per minute to less than 25 gallons per minute.

February 2006

The system had one unscheduled shut down in February 2006:

- On 5 February 2006, the system shut down due to a high pH in T3. The system was down for 48 hours. It was determined that the influent line was clogged, resulting in high pH water induced into the pH probe clear well. The line was temporarily re-routed and the system was restarted.

March 2006

The system had one unscheduled shut down in March 2006:

- On 14 March 2006, the system shut down due to a P4A pump failure to start, and T3 high level condition. Pump 4A was found to be clogged with white precipitate and not functioning. The pump was replaced and the system restarted. The system was down for 28 hours.

April 2006

The system had one scheduled shut down in April 2006:

- On 24 April 2006, the system was shut down for pond cleaning, and Phase I system repairs and upgrades. The routine maintenance and system upgrades included the following:
    - Upgrades to the pump station in the southwest corner by installing a second pump controls to increase system reliability. This included new piping, check valves and isolation valves.
    - Excavation and removal of the sump in the SW corner which was used as a sediment trap to eliminate this migratory pathway.
    - Draining of both ponds to facilitate cleaning. Repairs after cleaning included replacement of all the diffusers, addition of 2 new baffles to increase settling, and repairs to the existing baffles.
    - Excavation of the spent iron from 2 tanks, and installation of 12 tons of new ZVI.
    - Excavation and relocation of the Sediment Pond A influent line to discharge directly into the deep end of Pond A.
    - Installation of (3) 480V submersible pumps in the shallow ends of Pond A & B, and in T4 (The iron discharge collection sump) with new pressure transducers and programming so pump operations can be integrated into the PLC and SCADA system.
    - Relocation of the VFD from the control panel to the new control equipment shed to eliminate interference with the level controls.
    - Installation of the solar panel high speed internet connection and PC running Iconics SCADA software to facilitate system management from Greenstar's corporate office.

The system was down for 10 days. The system was restarted on 3 May and remotely operated during the filling of the iron tanks, T5 and T6.

May 2006

The system had one unscheduled shut down in May 2006.

- On 8 May 2006, the system shut down due to a P6B pump failure to start. A spare pump was ordered and s site visit performed on 10 May 2006. The pump inlet was clogged, and the discharge piping broken. Repairs included fixing the discharge piping, clearing

the pump intake for P6B. In addition, a new check valve was installed on P5 to prevent backflow from T6B and the pump intake on P1B was found to be clogged and was cleared and returned to service. The system was down for 2 days.

Routine system maintenance activities performed included:

- On 23 May 2006, a remote video camera to allow for real-time visual assessment of the treatment system. The T6B flow meter was wired into the SCADA system. The CO_2 storage tank level monitoring system requires upgrades by BOC prior to connecting it to the SCADA system. Wiring was installed to facilitate connection once BOC has completed the upgrades. External radio antennas were installed at the SCADA shed and the remote cable modem control panel to increase the speed of the internet connection.

- On 23 May 2006, P7 was found to be non functional. Discussions with the NYSDEC indicated that the pump can remain off while effluent discharge options are evaluated. The treated water currently flows through the overflow pipe and into the site stormwater drainage swale.

June 2006

There were no scheduled or unscheduled down periods in June. No alarm conditions were logged during this period. Routine system maintenance activities performed included:

- On 9 June 2006, the pH probe was replaced and calibrated.

4. MODIFICATIONS/IMPROVEMENTS AND RECOMMENDATIONS

4.1 SYSTEM MODIFICATION/IMPROVEMENTS

During the monitoring period of January through June 2006, Greenstar projects the following modifications and improvements to the GCTS:

- Connecting the flow meter to the PLC to track real time flow rates and data tabulation for reporting.

- Installation of a new PC, cable modem and high speed internet access to allow for real time remote monitoring of system components and performance.

- Installation of a web-based camera to allow remote monitoring of the site with visual images to support real-time SCADA monitoring.

- Install new 480V to 110V power zone transformer to boost 110V availability.

- Relocation of the T3B VFD control to eliminate interference with the pressure transducers in T3, T5, T6 and T7.

- Installation of a new the control equipment shed with electrical, insulation, and heat to provide a conducive environment for the PC hardware.

- Removal of the former sump at the T1 influent and direct piping of the collection line into T1 to completely eliminate a migratory pathway for contaminated groundwater to enter the environment, and to eliminate stormwater infiltration into the collection system.

- Conversion of the T1 pump station into a duplex pump station.

- Additional modifications will be assessed and recommended in the 5-year review report which is scheduled to be competed in July 2006.

5. PROJECTED OPERATION AND MAINTENACE

5.1 JULY - DECEMBER 2006

During the second bi-annual report period of 2006, Greenstar anticipates completing only routine operation and maintenance activities. However, it is possible that additional system upgrades may be performed during the next report period based on the system performance during the period June – August during which time the current system upgrades will be evaluated and additional modifications recommended.

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 August and October 2006 from the GCTS to meet the New York State Department of Environmental Conservation discharge permit requirements. The second bi-annual groundwater monitoring event will occur in October 2006.

Attachment G.1

Airco Parcel Bi-Weekly System Monitoring Checklists

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 1/5/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		

READING	*ITEM*
NR	Carbon Dioxide Storage Tank Pressure (220-235 psi)
NR	Carbon Dioxide Tank Liquid Level
AUTO/ON	P1 Running Status ON/OFF
NR	T3A Water Elevation
NR	T3B Water Elevation
NR	T3 pH Reading
AUTO/ON	Pump 4A Operational Status ON/OFF
NR	T6 Water Elevation Reading
NR	T7 Water Level Reading
AUTO/OFF	Pump 7 Operational Status
455,918	Flow Meter Reading

NOTE: NR = Not Recorded

READING	*Standard*	*LOCATION/PARAMETER*
0.102 mg/L	0.011 mg/L	Sample Port 4A Hexavalent, Chromium
0.104 mg/L	0.050 mg/L	Sample Port 4A Total, Chromium
NS	0.011 mg/L	Sample Port 4B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 4B Total, Chromium
0.008 mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0.009 mg/L	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
NS	Sample Port 4A
NS	Sample Port 4B
NS	Sample Port 7

Note: NS = Not Sampled
NR = Not Recorded
Carbon Dioxide tank filled 1/3/06.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 1/16/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		

READING	*ITEM*
NR	Carbon Dioxide Storage Tank Pressure (220-235 psi)
NR	Carbon Dioxide Tank Liquid Level
AUTO/ON	P1 Running Status ON/OFF
NR	T3A Water Elevation
NR	T3B Water Elevation
NR	T3 pH Reading
AUTO/ON	Pump 4A Operational Status ON/OFF
NR	T6 Water Elevation Reading
NR	T7 Water Level Reading
AUTO/OFF	Pump 7 Operational Status
636,317	Flow Meter Reading

READING	*Standard*	*LOCATION/PARAMETER*
0..210 mg/L	0.011 mg/L	Sample Port 4A Hexavalent, Chromium
0..240 mg/L	0.050 mg/L	Sample Port 4A Total, Chromium
NS	0.011 mg/L	Sample Port 4B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 4B Total, Chromium
<0.001 mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0.011 mg/L	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
NS	Sample Port 4A
NS	Sample Port 4B
NS	Sample Port 7

Note: System operating within normal parameters. Influent/Effluent sampling sent to the laboratory. The HACH DR4000® meter would not work due to cold weather conditions.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 2/1/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		
READING		*ITEM*
225		Carbon Dioxide Storage Tank Pressure (220-235 psi)
9,500		Carbon Dioxide Tank Liquid Level
AUTO/OFF		P1 Running Status ON/OFF
616.8		T3A Water Elevation
1.6		T3B Water Elevation
6.9		T3 pH Reading
AUTO/ON		Pump 4A Operational Status ON/OFF
615.8		T6 Water Elevation Reading
614.1		T7 Water Level Reading
AUTO/ON		Pump 7 Operational Status
879,257		Flow Meter Reading
READING	*Standard*	*LOCATION/PARAMETER*
0.180 mg/L	0.011 mg/L	Sample Port 4A Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 4A Total, Chromium
NS	0.011 mg/L	Sample Port 4B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 4B Total, Chromium
0.121 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*
6.9		Sample Port 4A
NS		Sample Port 4B
NS		Sample Port 7
Note: Hexavalent Chromium noted in the effluent. Switched iron beds. Hexavalent Chromium down to 0.017 mg/L. Carbon Dioxide tank filled 1/23/06.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 2/7/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		

READING	*ITEM*
225	Carbon Dioxide Storage Tank Pressure (220-235 psi)
7,500	Carbon Dioxide Tank Liquid Level
AUTO/OFF	P1 Running Status ON/OFF
616.8	T3A Water Elevation
1.6	T3B Water Elevation
8.56	T3 pH Reading
AUTO/OFF	Pump 4A Operational Status ON/OFF
615.8	T6 Water Elevation Reading
614.1	T7 Water Level Reading
AUTO/OFF	Pump 7 Operational Status
946,445	Flow Meter Reading

READING	*Standard*	*LOCATION/PARAMETER*
0.158 mg/L	0.011 mg/L	Sample Port 4A Hexavalent, Chromium
0.160 mg/L	0.050 mg/L	Sample Port 4A Total, Chromium
0.000 mg/L	0.011 mg/L	Sample Port 4B Hexavalent, Chromium
0.000 mg/L	0.050 mg/L	Sample Port 4B Total, Chromium
0.000 mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0.000 mg/L	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
6.5	Sample Port 4A
NS	Sample Port 4B
NS	Sample Port 7

Note: High pH due to clogged influent line. Re-routed line. Calibrated pH meter and increased CO_2 flow. The pH was reduced to 6.5 and the system restarted.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 2/10/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		

READING	*ITEM*
225	Carbon Dioxide Storage Tank Pressure (220-235 psi)
5,700	Carbon Dioxide Tank Liquid Level
AUTO/ON	P1 Running Status ON/OFF
617.3	T3A Water Elevation
1.6	T3B Water Elevation
6.6	T3 pH Reading
AUTO/ON	Pump 4A Operational Status ON/OFF
615.8	T6 Water Elevation Reading
614.1	T7 Water Level Reading
AUTO/ON	Pump 7 Operational Status
990,438	Flow Meter Reading

READING	*Standard*	*LOCATION/PARAMETER*
0.168 mg/L	0.011 mg/L	Sample Port 4A Hexavalent, Chromium
0.223 mg/L	0.050 mg/L	Sample Port 4A Total, Chromium
NS	0.011 mg/L	Sample Port 4B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 4B Total, Chromium
0.000 mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0.000 mg/L	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
6.6	Sample Port 4A
NS	Sample Port 4B
NS	Sample Port 7

Note: High level alarm. Arrived onsite at 11 AM. System running fine. Installed anti-siphon valve on T-6 discharge line.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 3/6/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		

READING	*ITEM*
222	Carbon Dioxide Storage Tank Pressure (220-235 psi)
7,850	Carbon Dioxide Tank Liquid Level
AUTO/OFF	P1 Running Status ON/OFF
617.4	T3A Water Elevation
1.6	T3B Water Elevation
6.44	T3 pH Reading
AUTO/CYCLING	Pump 4A Operational Status ON/OFF
615.8	T6 Water Elevation Reading
614.5	T7 Water Level Reading
AUTO/OFF	Pump 7 Operational Status
1,337,834	Flow Meter Reading

READING	*Standard*	*LOCATION/PARAMETER*
0.217 mg/L	0.011 mg/L	Sample Port 4A Hexavalent, Chromium
0.263 mg/L	0.050 mg/L	Sample Port 4A Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 4B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 4B 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 4A
6.6	Sample Port 4B
7.0	Sample Port 7

Note: Readings flagged with a U qualifier indicate the analyte was not detected. Routine site Visit. System operating within normal parameters.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 3/15/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		

READING	*ITEM*
225	Carbon Dioxide Storage Tank Pressure (220-235 psi)
12,000	Carbon Dioxide Tank Liquid Level
AUTO/OFF	P1 Running Status ON/OFF
617.5	T3A Water Elevation
2.5	T3B Water Elevation
6.5	T3 pH Reading
AUTO/OFF	Pump 4A Operational Status ON/OFF
615.8	T6 Water Elevation Reading
614.1	T7 Water Level Reading
AUTO/OFF	Pump 7 Operational Status
1,455,303	Flow Meter Reading

READING	*Standard*	*LOCATION/PARAMETER*
NS	0.011 mg/L	Sample Port 4A Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 4A Total, Chromium
NS	0.011 mg/L	Sample Port 4B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 4B Total, Chromium
NS	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
6.5	Sample Port 4A
NS	Sample Port 4B
NS	Sample Port 7

Note: System was off-line due to Pump 4A failure. Replaced pump and re-started system. System down 28 hours.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 4/13/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		

READING	*ITEM*
222	Carbon Dioxide Storage Tank Pressure (220-235 psi)
10,100	Carbon Dioxide Tank Liquid Level
AUTO/CYCLING	P1 Running Status ON/OFF
617.0	T3A Water Elevation
1.8	T3B Water Elevation
6.5	T3 pH Reading
AUTO/CYCLING	Pump 4A Operational Status ON/OFF
615.8	T6 Water Elevation Reading
614.3	T7 Water Level Reading
AUTO/ON	Pump 7 Operational Status
1,852,854	Flow Meter Reading

READING	*Standard*	*LOCATION/PARAMETER*
0.214 mg/L	0.011 mg/L	Sample Port 4A Hexavalent, Chromium
0.224 mg/L	0.050 mg/L	Sample Port 4A Total, Chromium
0.000 mg/L	0.011 mg/L	Sample Port 4B Hexavalent, Chromium
0.000 mg/L	0.050 mg/L	Sample Port 4B Total, Chromium
0.000 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*
6.8	Sample Port 4A
7.1	Sample Port 4B
7.0	Sample Port 7

Note: Routine site Visit. System operating within normal parameters. CO_2 tank filled 4/4/06.

AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 4/24/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		

READING	*ITEM*
225	Carbon Dioxide Storage Tank Pressure (220-235 psi)
>12,000	Carbon Dioxide Tank Liquid Level
AUTO/CYCLING	P1 Running Status ON/OFF
617.0	T3A Water Elevation
1.8	T3B Water Elevation
6.5	T3 pH Reading
AUTO/CYCLING	Pump 4A Operational Status ON/OFF
615.8	T6 Water Elevation Reading
614.3	T7 Water Level Reading
AUTO/ON	Pump 7 Operational Status
2,049,575	Flow Meter Reading

READING	*Standard*	*LOCATION/PARAMETER*
NS	0.011 mg/L	Sample Port 4A Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 4A Total, Chromium
NS	0.011 mg/L	Sample Port 4B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 4B Total, Chromium
NS	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
NS	Sample Port 4A
NS	Sample Port 4B
NS	Sample Port 7

Note: Routine site Visit. System operating within normal parameters. System shut down for system upgrades and routine cleaning.

AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 5/10/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		

READING	*ITEM*
NR	Carbon Dioxide Storage Tank Pressure (220-235 psi)
NR	Carbon Dioxide Tank Liquid Level
NR	T1 Water Level
AUTO/OFF	Pump P1A Running Status ON/OFF
AUTO/OFF	Pump P1BA Running Status ON/OFF
NR	T3 pH Reading
615.5	T3A Water Elevation
2.0	T3B Water Level
AUTO/OFF	Pump 3B Operational Status ON/OFF
NR	T5 Water Level
NR	Pump 5 Operational Status ON/OFF
615.5	T6A Water Elevation
NR	T3B Water Level
AUTO/OFF	Pump 6B Operational Status ON/OFF
614.1	T7 Water Level Reading
AUTO/OFF	Pump 7 Operational Status
2,052,214	Flow Meter Reading

READING	*Standard*	*LOCATION/PARAMETER*
NS	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 3B Total, Chromium
NS	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 6B Total, Chromium
NS	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
NS	Sample Port 3B
NS	Sample Port 6B
NS	Sample Port 7

Note: Emergency site visit. System off-line due to pump failures. Fixed pumps and re-started the system.

AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 5/23/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: 65 degrees, windy		
READING		*ITEM*
227.5		Carbon Dioxide Storage Tank Pressure (220-235 psi)
6,900		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
3.3 (pH meter to be replaced actual = 7.6)		T3 pH Reading (6 – 8)
616.5		T3A Water Elevation (616.5)
1.9		T3B Water Level (1.9 – 2.2)
AUTO/RUNNING		Pump 3B Operational Status ON/OFF
2.3		T5 Water Level (2.0 – 3.5)
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation (616.5)
1.9		T3B Water Level (1.8 – 2.4)
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
615.8		T7 Water Level Reading
OFF		Pump 7 Operational Status
2,412,964		Flow Meter Reading
READING	*Standard*	*LOCATION/PARAMETER*
0.171	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.161	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
0.010	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*
7.6		Sample Port 3B
8.0		Sample Port 6B
7.9		Sample Port 7

Note: Routine site Visit. System operating within normal parameters. Adjusted CO_2 flow to 140 cf/hour and added CO_2 aeration into T6B to drop pH. Switch iron beds to the north units as the outlet pipe on the southern beds was cracked. Pipe will be repaired during the next report period.

AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 6/9/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny, 70 degrees		

READING	*ITEM*
225	Carbon Dioxide Storage Tank Pressure (220-235 psi)
6,800	Carbon Dioxide Tank Liquid Level
2.5	T1 Water Level
AUTO/CYCLING	Pump P1A Running Status ON/OFF
AUTO/CYCLING	Pump P1BA Running Status ON/OFF
6.9	T3 pH Reading
616.5	T3A Water Elevation
2.2	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
2.1	T3B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
615.7	T7 Water Level Reading
OFF	Pump 7 Operational Status
2,662,706	Flow Meter Reading

READING	*Standard*	*LOCATION/PARAMETER*
0.188	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.175	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	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0.010	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
7.4	Sample Port 3B
7.0	Sample Port 6B
7.4	Sample Port 7

Note: Routine site Visit. System operating within normal parameters. Installed and calibrated new pH probe. Calibrated flow totalizer in SCADA system.

AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 6/19/06	**Project No.:**150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		

READING	*ITEM*
225	Carbon Dioxide Storage Tank Pressure (220-235 psi)
7,600	Carbon Dioxide Tank Liquid Level
2.5	T1 Water Level
AUTO/CYCLING	Pump P1A Running Status ON/OFF
AUTO/CYCLING	Pump P1BA Running Status ON/OFF
6.6	T3 pH Reading
616.5	T3A Water Elevation
2.2	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	T3B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
615.8	T7 Water Level Reading
OFF	Pump 7 Operational Status
2,799,402	Flow Meter Reading

READING	*Standard*	*LOCATION/PARAMETER*
0.189	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.191	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
7.0	Sample Port 6B
7.4	Sample Port 7

Note: Routine site Visit. System operating within normal parameters. Calibrated flow totalizer in SCADA system.